CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 8	Bedford Hills, N. Y.	Sept. 30
Oct. 11	Allentown, Pa. Adv. Sept. 16 to 30.	Sept. 16
Oct. 14	Sacramento, Cal.	Sept. 16
Oct. 18	Nokomis, Ill. Adv. Sept. 30.	Sept. 30

SEWERS

Oct. 1	Charleston, W. Va.	Sept. 23
Oct. 4	Pontiac, Mich.	Aug. 26
Oct. 4	Augusta, Wis.	Sept. 23
Oct. 4	Columbus O.	Sept. 23
Oct. 4	Long Island City, N. Y.	Sept. 30
Oct. 6	Wauwatosa, Wis.	Sept. 30
Oct. 7	Montclair, N. J.	Sept. 30
Oct. 8	Cleveland, O.	Sept. 30
Oct. 11	Cleveland, O.	Sept. 23
Oct. 13	Ossining, N. Y.	Sept. 23
Oct. 19	Wichita, Kan.	Sept. 30
Oct. 30	Yorkville, O.	Sept. 23

BRIDGES

Oct. 9	Enid, Okla.	Sept. 30
Oct. 12	Maryland Adv. Sept. 30.	Sept. 30
Oct. 19	Alabama	Sept. 23
Oct. 21	Chicago, Ill. Adv. Sept. 30.	Sept. 30
Oct. 22	Detroit, Mich. Adv. Sept. 23 and 30.	Sept. 23

STREETS AND ROADS

Oct. 4	Washington	Sept. 23
Oct. 4	Michigan	Sept. 23
Oct 4	Akron, O.	Sept. 23
Oct. 4	Albany, N. Y.	Sept. 30
Oct. 5	Kentucky	Sept. 30
Oct. 5	Seguin, Tex.	Sept. 23
Oct. 5	Baltimore, Md. Adv. Sept. 23 and 30.	Sept. 30
Oct. 5	Durham, N. C.	Sept. 30
Oct. 5	Tyler, Tex.	Sept. 30
Oct. 6	Faribault, Minn.	Sept. 16
Oct. 6	Faribault, Minn.	Sept. 23
Oct. 6	New Jersey Adv. Sept. 23 and 30.	Sept. 23
Oct. 6	Michigan	Sept. 23
Oct. 6	Jefferson, Tex.	Sept. 30
Oct. 6	Ventura, Cal.	Sept. 30
Oct. 6	Wisconsin	Sept. 30
Oct. 7	Wisner, Neb.	Sept. 23
Oct. 7	Darlington, S. C.	Sept. 30
Oct. 8	Ohio	Sept. 23
Oct. 8	Moundsville, W. Va.	Sept. 23
Oct. 8	Rockport, Tex.	Sept. 30
Oct. 8	Missouri	Sept. 30
Oct. 9	Missouri	Sept. 30
Oct. 9	Arizona	Sept. 30
Oct. 9	Westerville, O.	Sept. 30
Oct. 11	Colorado	Sept. 30
Oct. 12	Maryland Adv. Sept. 30.	Sept. 30
Oct. 13	West Orange, N. J.	Sept. 30
Oct. 13	Pennsylvania Adv. Sept. 23 and 30.	Sept. 23
Oct. 13	Missouri	Sept. 30
Oct. 14	Arizona	Sept. 30
Oct. 14	Middlesex (Sayreville P. O.), N. J.	Sept. 30
Oct. 14	New Mexico	Sept. 30
Oct. 15	San Benito, Tex.	Sept. 16
Oct. 15	Missouri	Sept. 30
Oct. 19	Shakopee, Minn.	Sept. 23
Oct. 21	Siloam Springs, Ark.	Sept. 30
Oct. 22	Missouri	Sept. 30
Oct. 22	Jacksonville, Fla. Adv. Sept. 30.	Sept. 30

RAILWAYS

Oct. 1	Ontario	Sept. 16

EXCAVATION AND DREDGING

Oct. 2	Lamar, Col. Adv. Sept. 23 and 30.	Sept. 23
Oct. 4	Webster City, Ia.	Sept. 30
Oct. 5	Wapello, Ia. Adv. Sept. 23 and 30.	Sept. 23
Oct. 7	Cleveland, Miss.	Sept. 23
Oct. 7	Algona, Ia.	Sept. 30
Oct. 12	Nevada, Ia.	Sept. 30
Oct. 14	Atlantic, Ia.	Sept. 30

INDUSTRIAL WORKS

Oct. 2	London, Ont.	Sept. 23
Oct. 11	Camp Douglas, Wis.	Sept. 30
Oct. 15	London, Ont.	Sept. 23
Oct. 15	Tilbury, Ont.	Sept. 23
Nov. 1	Webb City, Mo.	Sept. 16

BUILDINGS

Oct. 1	Montreal, Que.	Sept. 23
Oct. 1	Peabody, Mass.	Sept. 23
Oct. 1	Peabody, Mass.	Sept. 30
Oct. 3	Canton, O.	Sept. 9
Oct. 3	Cleveland, O.	Sept. 30
Oct. 4	Philadelphia, Pa.	Sept. 30
Oct. 4	Great Neck, N. Y.	Sept. 16
Oct. 4	Janesville, Wis.	Sept. 30
Oct. 4	Portage La Prairie, Man.	Sept. 30
Oct. 5	Ashtabula, O.	Sept. 30
Oct. 6	Carey, O.	Sept. 30
Oct. 6	Minneapolis, Minn.	Sept. 30
Oct. 7	Rapid City, S. D.	Sept. 30
Oct. 7	Elk Mound, Wis.	Sept. 30
Oct. 8	Brooklyn, N. Y.	Sept. 30
Oct. 8	La Crosse, Wis.	Sept. 30
Oct. 12	Huron, S. D.	Sept. 2
Oct. 12	Marysville O.	Sept. 30
Oct. 13	New Bedford, Mass.	Sept. 30
Oct. 15	Presho, S. D.	Sept. 30
Oct. 15	Canton, O.	Sept. 30
Nov. 15	Enid, Okla.	Sept. 30
Nov. 15	Dallas, Tex.	Sept. 23

FEDERAL GOVERNMENT WORK

Oct. 4	Road Work—Arizona	Sept. 30
Oct. 6	Quartermasters Storehouse —Spec. 4280 — San Diego, Cal.	Sept. 16
Oct. 6	Lighting System — Spec. 4281—Chelsea, Mass.	Sept. 23
Oct. 6	Elevators—Spec. 4285—San Diego, Cal.	Sept. 30
Oct. 11	Conduit, Dam, etc.—Norfolk, Va.	Sept. 16
Oct. 11	Dredging — Providence, R. I. Adv. Sept. 16 to 30.	Sept. 16
Oct. 11	Steel Barges — Memphis, Tenn. Adv. Sept. 16 to 30.	Sept. 16
Oct. 13	Hospital Buildings—Spec. 4300—San Diego, Cal. Adv. Sept. 30.	Sept. 16
Oct. 13	Seaplane Runway — Spec. 4267 — Hampton Roads, Va.	Sept. 30
Oct. 14	Dump Scows—Phila., Pa. Adv. Sept. 16 to 30.	Sept. 16
Oct. 14	Steel Buoys — Tompkinsville, N. Y.	Sept. 30
Oct. 15	Office and Laboratory — Spec. 4301—Wash., D. C. Adv. Sept. 30.	Sept. 30
Oct. 15	Scotch Marine Boilers, etc —Jacksonville, Fla. Adv. Sept. 23 and 30	Sept. 23
Oct. 20	Concrete Pavement, etc.— Spec. 4257—Ft. Lyon, Col.	Sept. 30
Oct. 20	Nine Storage Buildings — Spec. 4253—New Orleans, La. Adv. Sept. 30.	Sept. 30
Oct. 22	Dredging—Norfolk, Va.	Sept. 23
Oct. 23	Foundations and Coping for Reflecting Pool — Wash., D. C.	Sept. 30
Oct. 25	Hospital — West Point, N. Y. Adv. Sept. 30.	Sept. 30
Oct. 26	Remodeling and Repairing Customhouse and Post Office—Buffalo, N. Y. Adv. Sept. 30.	Sept. 30
Oct. 30	Hoisting Plant—Wahington, D. C.	Sept. 16

MISCELLANEOUS

Oct. 4	Foundation, etc.—Toledo, O.	Sept. 23
Oct. 4	Heating Apparatus, etc.— Brooklyn, N. Y.	Sept. 30
Oct. 6	Laundry Equipment—Binghamton, N. Y.	Sept. 16
Oct. 6	Tunnels, Conduits, etc. — Marcy, N. Y.	Sept. 16
Oct. 7	Pavilions—Randalls Island, (New York P. O.), N. Y.	Sept. 30
Oct. 7	Limestone Dust—New York, N. Y.	Sept. 30
Dec. 9	Dry Dock — Esquimalt B. C.	Sept. 30
Oct. 11	Ferry Boat—New York, N. Y.	Sept. 23
Oct. 13	Piles, Bulkhead, etc. — Brooklyn, N. Y. Adv. Sept. 16 to 30.	Sept. 16
Oct. 13	Piers—Oswego, N. Y. Adv. Sept. 16 to 30.	Sept. 16
Oct. 18	Locks—Chicago, Ill.	Sept. 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Newark—North Jersey Dist. Water Supply Comn., 20 Clinton St., opens bids about Oct. 28, building portion of Wanaque Dam below surface of ground, to include core wall in deep trench, etc., involving 28,500 cu.yd. concrete, 83,000 cu.yd. earth and 23,000 cu.yd. rock excav. M. R. Sherrerd, city engr. Noted May 6.

Pa., Harrisburg—J. H. Fuertes, consult. engr., 140 Nassau St., New York City, retained by city to report on waterworks system, recommends new intake filter plant, cost $85,000; 6 filters, $100,500; settling basin, $140,300; additional pumps, $16,000; washing plant and new settling basin inlets, $95,000; new pump station engines, etc., $273,000; dust removing device, $24,000; new and larger mains, $285,420; new high service reservoir of 30,000,000 gal. capacity, $461,270; new pipe, $69,950.

Waterworks (Continued)

O., Delaware—City retained M. Knowles, engr., Hippodrome Bldg., Cleveland, to prepare plans for waterworks system, to include 2 wells. G. Irwin, dir. Pub. Serv.

Kan., Osawatomie—City having plans prepared by Black & Veatch Eng. Co., engrs., Mutual Bldg., Kansas City, Mo., for addition to water power plant, brick, rein.-con. flooring, also rein.-con. dam to impound 60,000,000 gal. Bonds for $85,000 voted for project.

Kan., Topeka—City election Nov. 3, to vote on $460,000 bonds to build filteration plant and pumping station. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Neb., Sidney—City having plans prepared by R. D. Salisbury, engr., 1415 East Colfax Ave., Denver, Col., for waterworks system. About $126,000.

S. D., Madison—City voted $50,000 bonds to extend waterwork systems. Noted Aug. 26.

Mont., Roundup — See "Streets and Roads."

Tex., Belton—City voted $50,000 bonds to extend waterworks system.

Okla., Spiro—City election No. 4 to vote on $40,000 bonds to build addition to pumping plant. H. G. Olmstead & Co., 415 Oil Exch. Bldg., Oklahoma, engrs.

BIDS DESIRED

N. Y., Bedford Hills—Until Oct. 8, by M. Fiske, pres. Bd. Bgrs., New York State Reformatory for Women, building filtration plant, advertised in this issue.

Ill., Nokomis—Until Oct. 18, by W. A. Bote, city clk., building brick pumping well, 20 ft. diameter, 40 ft. deep; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**O., Grafton**—Village let contracts building 4-8 in. c.i. water mains, to D. Pfahl Co., Guardian Bldg., Cleveland; 1 story, 20 x 20 ft., concrete pump house, to Dobson-Maines Co., Pittsburgh, Pa.; 2 deep well pumps, to Cleveland Pump & Supply Co., Guardian Bldg., Cleveland, sewerage system, to T. Tripolliti, Lorain. Total cost, $100,000. Noted May 20.

★**O., Maple Heights (Cleveland P. O.)**—Village let contract laying 6,040 ft. 6-10 in. c.i. water mains in Elm Drive, Lease, Maple and Granger Rds., Mila, Forest, Clement and Beech Aves., Libby and Granger Courts, to A. Lanese Co., Columbia Bldg., Cleveland. About $54,000. Noted July 8.

★**Ill., Rockford**—City let contract building new pumping station, to R. P. Beekstrom & Co., 208 Trust Bldg., $88,122.

★**Ia., Cherokee**—State Bd. Control, Des Moines, let contract laying 5,000 ft. 8 in. pipe, to Sieg. Constr. Co., Waterloo; building pump house, pump pit and reservoir, to Rhodes & Christianson, Guthrie Center; furnishing machinery, to Fairbanks-Morse Co., 900 Souh Wabash Ave., Chicago. Total about $72,500. Noted July 8.

★**Minn., Pipestone**—City let contract building 1 story, concrete pumping station, to Hunt & Sons, Pipestone. About $15,000.

★**Neb., O'Neill**—City let contract laying water mains in various streets, to J. Danielson, Omaha, cost plus percentage basis; furnishing 150,000 gal. tank and tower, to Omaha Structural Steel Co., 48th and Leavenworth Sts., Omaha. About $20,500.

★**S. D., Eureka**—City let contract extending waterworks and sewerage systems, to Phelps-Drake Co., 631 Metropolitan Life Bldg., Minneapolis, Minn. About $18,000.

Wash., Seattle—City received bids Sept. 18, building water mains in North Lake Ave., et al, (a) clay, (b) concrete, from F. N. Badolato, Builders Exch., (a) $44,207, (b) $44,058; Olympic Constr. Co., Green Bldg., (a) $48,951, (b) $48,436. Work involves 1,100 cu.yd. earthwork, 3,510 lin. ft. type "A" armored concrete curb, 2,185 lin.ft. special concrete curb, 1,020 lin.ft. 8 in. concrete or 1,020 lin.ft. 8 in. clay sewer pipe.

Sewers

PROPOSED WORK

R. I., Lonsdale (Pawtucket P. O.)—Lonsdale Co. plans to build sewerage system for its plant and houses. Engineer not selected.

Ill., Earlville—City having plans prepared building 5 mi. sewerage system and sewage disposal plant. About $100,000. W. S. Shields, 8 South Dearborn St., Chicago, engr.

Wis., Hartford—City having plans prepared for new sewage disposal tank and relaying sewers in West Sumner St., etc. About $25,000. C. Leins, West Bend, engr.

Kan., Marion—City retained Black & Veatch, engrs., Mutual Bldg., Kansas City, Mo., to make surveys for storm sewers in several streets.

Kan., Stockton—City having plans prepared for building 60,000 ft. sanitary sewers in various streets. E. Taichu Co., New England Bldg., Kansas City, Mo., engrs.

S. D., Madison—City voted $50,000 bonds to extend sewerage system. Noted Aug. 26.

Mo., Grant City—City rejected bids received Sept. 21, building public sewers and sewage disposal plant in Dist. 1. Work will be readvertised. Black & Veach, Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 9.

Tex., Belton—City voted $25,000 bonds to extend sewerage system.

Okla., Spiro—City election Nov. 4, to vote on $50,000 bonds to build 8-10 in. vitr. sanitary sewers and sewage disposal plant.

Wash., Tacoma—City plans to build Buckley Gulch Sewer from 15th and Junett Sts. to Puget Sound. About $198,000. J. C. Manley, Tacoma, engr.

Que., St. John—City receiving bids building sewers in Jackwood St. About $40,000.

BIDS DESIRED

N. Y., Long Island City—Until Oct. 4, by M. E. Connolly, pres. Queens Boro., building sewer and appurtenances in Lurting St. from Way Ave. to Nicholls St., Nicholls St. from Louona Ave. to 51st St., Provoost St. from Corona Ave. to 51st St., Alstyne Ave. from Way Ave. to Radcliffe St., Christie St. from Corona to Alstyne Aves.; building temporary sewer and appurtenances in Fulton St. from Harvard Ave. to Carroll St.

N. J., Montclair—Until Oct. 7, by Bd. Comrs., Municipal Bldg., constructing 3,700 ft. 12-30 in. underground drain or storm sewer from point in brook near Bloomfield to Bellevue Ave. and west to Park Ave. H. Trippey, town clk.

O., Cleveland—Until Oct. 8, by city, building sewer in Luke Rd. extension, involving 1,450 ft. 5 ft. brick pipe. R. Hoffman, 618 City Hall, engr.

Wis., Wauwatosa—Until Oct. 6, by Milwaukee Co. Bd. Administration, Milwaukee, rebuilding sewage disposal plant at county institutional buildings, here. Work includes (1) 17,500 ft. 2 x 4 in. timbers, (2) sludge bed, involving 180 cu.yd. excav., 270 cu.yd. sand and 970 ft. 4-10 in. drain tile, (3) new filters and rebuilding old ones, 1,450 cu.yd. excav., 12,100 cu.yd. sand and gravel, 7,400 ft. 4-12 in. drain tile, etc.

Kan., Wichita—Until Oct. 19, by H. D. Lester, city clk., building Storm Sewer No. 19, involving 2,300 ft. 30-36 in. segment block brick or concrete pipe and 13,300 ft. 10-27 in. vitr. pipe, etc. About $50,000. P. L. Brockway, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I., Pawtucket**—City let contract building 2,100 ft. concrete sewer, 5 ft. diam., 18 ft. deep, in Prairie Ave., to Lindberg & Street, 294 Washington St., Boston. Noted Aug. 19.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contract building sewer in New Utrecht Ave., to Tomasetti Co., .9598% of engineers estimate of $26,533; East 24th St. from Ave. N to Ave. O and from Ave. L to Ave. M, also in 82nd St. to A. Ferris, 94% of engineers estimates of $4,435, $5,400 and $5,217 respectively; Warehouse Ave., to Murphy Bros., 122.8% of engineers estimate of $8,360. Noted Sept. 16.

★**O., Grafton**—See "Waterworks."

★**Wis., Amery**—City let contract building sanitary and storm sewers in various streets, to Rohr & Pratt, Pipestone, Minn., $32,992. Noted July 22.

Wis., Beaver Dam—City received bids excavating and installing 8-12 in. vitr pipe sewer in 1.2 mi. Roller Ave., Chatham a[nd] West South Sts., from Brogan & Burns [of] Green Bay, 8 in. $2.90, 10 in. $3.15, 12 [in.] $7, 2 manholes at $125 each; W. F. R[o]bens, Main St., Mayville, 8 and 10 in., $2.4[0]

Bridges

PROPOSED WORK

N. H., Littleton—Town Bridge Comn. plans to build 220 ft. highway bridge, 32 ft. wide on Chadwick Ave., to have steel trusses and concrete floor slabs. Storrs Eng. Co., 11 South Main St., Concord, engrs.

N. Y., Buffalo—City having plans prepared by Strauss Bascule Bridge Co., engrs., 104 South Michigan Ave., Chicago, for bridge over Buffalo River, on Bailey Ave. About $300,000.

N. J., Camden — Interstate Delaware Bridge Comn. retained R. Modjeski, 101 Park Ave., New York City, L. A. Ball, East Orange and G. S. Webster, Bureau of Surveys, Phila., engrs., to prepare plans for 1,750 ft. bridge over Delaware River, between here and Phila.

Kan., Abilene—Dickson Co. election Nov. 2, to vote on $100,000 bonds to rebuild several bridges.

Kan., Lyndon—Osage Co. had plans prepared for 114 ft. bridge, 20 ft. roadway, near Quenemo, to have three 35 ft. rein.-con. T-girder spans on concrete abutments and piers, involving 346.3 cu.yd. Class "A" and 180 cu.yd. Class "C" concrete, 43,013 lb. steel, etc.; 160 ft. bridge, 20 ft. roadway, 4 mi. north of Quenemo, to have three 50 ft. rein.-con. T-girder spans on concrete piers and abutments, 199.5 cu.yd. Class "A" and 566.4 cu.yd. Class "C" concrete, 50,460 lb. steel, etc. Kansas Eng. Co., 1233 Western St., Topeka, engrs.

Missouri — State Highway Dept., St. Joseph, rejected bid received Aug. 20, building rein.-con. skew slab superstructure and 4 rein.-con. pile bents, over Contrary Creek, on Sta. 64 plus 32, to have three 27 ft. spans, 18 ft. roadway, cost $9,491; rein.-con. through girder superstructure, over Rushville Drainage Ditch, on Sta. 649 plus 51, to have one 40 ft. span, 18 ft. roadway, $9,887; rein.-con. deck girder superstructure and 1 temporary bridge, over drainage ditch on Sta. 229 plus 00, to have one 24 ft. span, 18 ft. roadway, $4,788; rein.-con. skew slab superstructure and 1 concrete pier, over Drainage Ditch on Sta. 515 plus 65, to have two 19 ft. 10½ in. spans, 18 ft. roadway, $4,868; rein.-con. skew slab superstructure and 2 concrete piers, over drainage ditch on Sta. 357 plus 90, to have three 15 ft. spans, 18 ft. roadway, $6,380. Above projects in Buchanan Co. on Federal Aid Project 40. Noted Sept. 9.

Missouri—State Highway Dept., Harrisonville, rejected bids Sept. 1, building rein.-con. deck girder superstrucure (Longshore Bridge), over branch of Grand River, on Sta. 6 plus 03, to have one 24 ft. span and 18 ft. roadway, cost $5,195; rein.-con. spandrel filled arch bridge (Frahm Bridge), over Grand River, Sta. 137 plus 40, to have two 50 ft. spans and 18 ft. roadway, $19,533; rein.-con. deck girder superstructure and 1 concrete pier, (Brown Bridge), over Grand River, Sta. 118 plus 60, to have two 28 ft. spans and 18 ft. roadway, $10,107, all on Sect. A, Federal Aid Project 20. Noted Sept. 16.

Tex., Bonham—Bonham Red River Bridge Comn. rejected bids received Sept. 20, building bridge over Red River, to have four 185 ft. steel spans, concrete piers, etc. Work will probably be readvertised in spring. Harrington, Howard & Ash, O'Rear-Leslie Bldg., Kansas City, Mo., engrs. Noted Sept. 16.

BIDS DESIRED

Md., St. George Island—Until Oct. 12, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building timber bridge on timber piles, over St. George Creek, between here and Piney Point, St. Marys Co. J. N. Mackall, chn.; advertised in this issue.

Ill., Chicago—Until Oct. 21, by L. S. Rapp, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., building substructure and superstructure of bascule bridge across main channel of Sanitary Dist. of Chicago, on line of California Ave.; advertised in this issue. Noted June 29.

Ark., Siloam Springs—Until Oct. 21, by Bd. Comrs. Rd. Impvts., Dist. 5, Benton Co., at office of L. B. Kemper, secy., building 200 ft. span and 330 ft. timber trestle approach, one 130 ft. span, four 50 ft. spans and one 40 ft. span bridges, involving

Bridges (Continued)

375 cu.yd. concrete, 3,000 lb. steel bars and 403 lin.ft. steel tubular piers. W. L. Winters, Ft. Smith, engr.

Okla., Enid—Until Oct. 9, by City Comrs., building three 16 ft. rein.-con. bridges over boggy creek, 54 ft. wide, with 2 walk ways. About $39,847. B. F. Lewis, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Vt., Windsor—Boston & Maine R.R., North Sta., Boston, let contract building steel and concrete bridge, here, to Amer. Bridge Co., 120 Franklin St., Boston. Cost to exceed $25,000.

★N. Y., New York—Dept. Docks, Pier "A" ft. of North River, let contract building inshore portion of Brooklyn Bridge improvement, to E. Steers, 17 Battery Pl. About $246,000. Noted Sept. 23.

N. J., Livingston—Essex Co. (Newark) let contract building Columbia Bridge, concrete arch, over Passaic River, on South Orange Ave., here, to A. E. Smith, Plainfield. $78,713. Noted Sept. 23.

D. C., Washington—Dist. Comrs., 509 Dist. Bldg., received bids building rein.-con. slab and girder bridge, over Watts branch, at 50th St. N. E., (1) excavation (2) bridge complete except excavation, from C. H. Tompkins, 1883 3rd St. N.W., (1) $3, (2) $3,683; R. E. Boiseau, 5905 Blair Rd., (1) $4.50, (2) $6,600; H. P. Giddings, 149 13th St. N.E., (1) $2.65, (2) $4,860.

★Ia., Dubuque—Dubuque Co. let contract building 2 bridges and 2 culverts, to A. Olson, 401 Black Hawk Natl. Bank Bldg., Waterloo, $22,000; 8 culverts, to J. O. Parsons, Dyersville, $10,000; 10 culverts, to J. J. Leonard, Dubuque, $7,000; all work to be rein.-con.

★Wyo., Thermopolis — State Highway Dept., Cheyenne, let contract building 320 ft. rein.-con. bridge, 30 ft. wide, over Big Horn River, on Federal Aid Project 80, here, to have four 68 ft. rein.-con. arch spans, 20 ft. roadway and two 5 ft. sidewalks, involving 1,300 cu.yd. rein.-con., 75 tons steel and 600 lin.ft. cofferdam, to R. M. Templeton, Casper, $87,500. Noted Aug. 26 under "Wyoming."

Wyoming — State Highway Dept., Cheyenne, received bids building Snake River Bridge, in Jackson Hole, on Wilson-Moran Rd., Federal Aid Project 22, Lincoln Co., to include moving three 130 ft. spans to present site and building two 130 ft. additional spans, from Levy Constr. Co., Symes Bldg., Denver, Col., and Midland Bridge Co., 504 Rv. Exch. Bldg., Kansas City, Mo. Above bids exceeded engineers estimate ($140,000) and contractors requested to revise figures. Noted Aug. 26.

Streets and Roads

PROPOSED WORK

Me., Augusta—City plans to pave 26 mi. streets, 6 in. gravel. About $65,000. P. W. Varney, city engr.

R. I., Woonsocket—Town plans to pave Bellevue Ave., cost, $7,100; Morton Ave., $22,000; Harrison Ave., $8,400 and Boone St., $9,000, trap rock and macadam with asphalt binder. F. H. Mills, city engr.

N. Y., Brooklyn—E. Riegelmann, boro. pres., rejected bids Sept. 1, regulating and repaving Atlantic Ave., 57th and Columbia Sts. Noted Sept. 9.

N. Y., New York—Dept. Parks, Municipal Bldg., rejected bids Aug. 12, repairing walks in Riverside Park. Work will be readvertised. Noted Aug. 5.

N. J., Trenton—City plans to pave French Alley, Armory and Front Sts., involving 4,570 sq.yd. concrete and waterbound macadam. About $27,500. A Swan, City Hall, engr.

N. J., Woodbury—Bd. Freeholders Gloucester Co. plans to improve 3 mi. Glassboro-Westville Pike. About $136,000. W. C. Cattell, Menonah, engr.

Pa., Conyngham—Boro. having surveys made for paving 1 mi. Main St., cement. F. L. Lubrecht, Markle Bldg., Hazleton, archt.

W. Va., Keyser—Comrs. Mineral Co. plan to grade 4½ mi. Blaine-Sulphur Rd. About $55,840. S. H. Lea, Keyser, engr.

W. Va., Marlington—Comrs. Pocahontas Co. plan to grade 4½ mi. Warwick-Dunsmore Rd. About $47,168. F. Baxter, Edray, engr.

W. Va., Middlebourne—Comrs. Tyler Co. plan to grade and build several bridges on 4.13 mi. Sistersville-Friendly Rd. About $47,427. C. B. Cook, Middlebourne, engr.

Wis., Superior—City voted $130,000 bonds to improve various streets.

Minn., Aitkin—Aitkin Co. received no bids Sept. 7, grading 8.3 mi. State Aid Job 2,003, and 8 mi. Federal Aid Project 120, State Rd. 1. About $33,000 and $32,000 respectively. F. J. O'Hara, Aitkin, engr.

Minn., Crookston—Polk Co. rejected bids Sept. 14, graveling 13.5 mi. Federal Aid Project 155, County Job 2001. About $52,000. E. H. Harding Crookston, engr. Noted Aug. 26.

N. D., Linton—Comrs. Emmons Co. plan to grade 17 mi. Federal Aid roads, 24 ft. wide. E. H. Brant, aud.

Montana—State Highway Dept., Helena, plans to gravel surface 5 mi. Saco Sect. of Roosevelt Highway, Phillips Co., cost $26,675; 2.2 mi. Deer Lodge-Drummond Rd., Powell Co., $48,506; 30 mi. Choteau-Dupuyer Rd., Teton Co., $194,656. Federal Government has been asked to appropriate toward cost. J. N. Edy, state highway engr.

Mont., Roundup—City Council voted to issue $56,000 bonds to pave various streets, lay water mains and build ornamental lighting system.

Missouri—State Highway Dept., Harrisonville, rejected bids received Sept. 1, building 19 mi. Sect. A, Harrisonville-Belton Rd., 24 ft. wide, Federal Aid Project 20, Cass Co. About $93,144. Noted Sept. 16.

Missouri—State Highway Dept., Jefferson City, plans to build 15 mi. Cairo-Poplar Bluff Rd., Federal Aid Project 118, Stoddard Co., involving 45,000 cu.yd. earth excav., 140,800 sq.yd. gravel surfacing, one 36 ft. span bridge, etc., cost $127,000; 49 mi. Crane-Galena-Reeds Springs-Blue Eye Rd., Federal Aid Project 161, Stone Co., 220,460 cu.yd. earth and 2,000 cu.yd. rock excav., 3,037 cu.yd. dry rubble masonry, etc., $137,885.

Missouri — State Highway Dept., St. Joseph, rejected bids received Aug. 20, building 20.02 mi. Sect. A St. Joseph-Atchison Rd., 24 ft. wide, Federal Aid Project 49, involving 35,045 cu.yd. earth and 1,658 cu.yd. rock excav., 210,181 cu.yd. borrow, 9,570 lin.ft. 4 in. tile underdrain, cost $127,213; 20.02 mi. Sect. "C" St Joseph-Atchison Rd. Federal Aid Project 49, both Buchanan Co., 211,454 sq.yd. 1 course plain cement concrete pavement, 10,805 lin.ft. wooden guard rail, $814,330. Incorrectly noted in our issue of Sept. 2.

Mo., Greenfield—Dade Co. had plans prepared grading, building culverts and bridges on 5.06 mi. road in Lockwood Twp., 12 ft. gravel, 24 ft. roadway, waterbound macadam. About $34,350. Elston, Axon & Russell, 309 McDaniel Bldg., Springfield, engrs.

Tex., Anahuac—Chambers Co. having plans prepared surfacing and building bridges and culverts on 11.35 mi. Highway 35 from here to Liberty Co., involving 23.4 acres clearing and grubbing, 84,000 cu.yd. borrow and 200 cu.yd. structural excav., 400 cu. yd. Class "A" concrete, 37,000 lb. reinforcing steel and 27,000 cu.yd. shell surfacing. About $133,255. H. J. Walger, Orchard, engr.

Tex., Austin—Travis Co. having plans prepared grading, gravel surfacing and draining 8.6 mi. Highway 20 from 2 mi. east of Manor to Bastrop Co., involving 22,300 cu.yd. gravel, 41,190 lb. reinforcing steel, 79,815 sq.yd. bituminous macadam, 66,800 cu.yd. unclassified earth and 700 cu.yd. structural excav., 475 cu.yd. Class "A" and 183 cu.yd. Class "B" concrete. About $207,499. H. W. Nolan, 511 Scarbrough Bldg., engr.

Tex., Dallas—Dallas Co. had plans prepared grading, surfacing and draining 18.08 mi. Garland Rd., Highway 1 from here to Rockwall Co. line, involving 58,425 cu.yd. borrow, 4,443 cu.yd. solid rock and 890 cu.yd. loose rock excav., 396,009 lb. reinforcing steel, 118,546 lb. reinforcing mesh, 4,299.6 cu.yd. Class "A" and 496 cu.yd. Class "B" concrete, 3,449 cu.yd. bituminous concrete, etc. About $973,865. Nagle, Witt & Rollins Eng. Co., Gaston Bldg., engrs.

Tex., Daingerfield — Morris Co. having prepared surfacing and building bridges and culverts on 10.68 mi. Highway 1A from Cass to Titus Co. lines, involving 6 acres clearing and grubbing, 40,356 cu.yd. earth excav., 16,528 cu.yd. gravel, 29,788 lb. reinforcing steel, 99,420 ft. timber, 406.6 cu. yd. Class "A," 76 cu. yd. Class "B" and 21 cu.yd. Class "C" concrete. About $111,148. McClendon & Pumell, Daingerfield, co. engrs.

Tex., Hondo—Medina Co. had plans prepared building gravel or rock asphalt road and concrete drainage structures on 13.4 mi. Highway 2 from Devine to Atascosa Co. line, 16 ft. wide. Cost, gravel, $350,191; bituminous, $422,675. E. P. Arneson, c/o Walton & Arneson, Gunter Bldg., San Antonio, engr.

Tex., Del Rio—Val Verde Co. having plans prepared grading, surfacing and draining 4.54 mi. Highway 4 from 4.9 mi. north of here to San Pedro Creek, involving 9,246 cu.yd. gravel, 72,460 sq.yd. rolling, 7,258 lb. reinforcing steel, 181 cu.yd. Class "A" concrete, 7,992 cu.yd. earth, 1,064 cu.yd. loose rock and 523 cu.yd. solid rock excav. About $35,100. G. M. Jowers, engr. Noted Jan 1

Colorado—State Highway Dept., Denver, plans to grade and drain 6 mi. road between Kremmling and Steamboat Springs, 16 ft. wide, Federal Aid Project 75, Grand Co. About $27,000.

Ont., London—City receives bids about Oct. 15, building concrete pavements on Clarke and Elliott Sts. About $100,000. R. M. Selkirk, Leamington, engr.

BIDS DESIRED

N. Y., Albany—Until Oct. 4, by Bd. Contract & Supply, City Hall, grading Cliff St. from Allen to Hart Sts., Winne St. from New Scotland Ave. to Cliff St., Hart St. from Cliff to Bower Sts., Twitchell St. from Winne to Hart Sts.; laying sewer in Leighton St. from McCarthy Ave. to Mountain St. and in Mountain St. from Leighton St. to point 580 ft. west.

N. J., Middlesex (Sayresville P. O.)—Until Oct. 14, by Bd. Freeholders Middlesex Co. (New Brunswick), improving Lincoln Blvd., here. T. J. Mulvihill, clk.; advertised in this issue.

N. J., West Orange—Until Oct. 13, by Bd. Freeholders Essex Co., (Newark), grading Laurel Ave., W. About $25,000. F. J. Reimer, co. engr.

Maryland—Until Oct. 5, by State Rds. Comn., 601 Garrett Bldg., Baltimore, paving 3 mi. state highway, along Philadelphia Rd. from Little Gunpowder fall toward Aberdeen, Harford Co., Contr. H-26; 3 mi. state highway on East-on-Claiborne Rd. from Lipscombs Gate to Royal Oak, Talbot Co., Contr. T-12; 5 mi. state highway from Morganza toward Colton, St. Marys Co., Contr. SM-14 and 1.79 mi. state highway from Frederick Jct. to Hopeland, Frederick Co., Contr. F-27A. J. N. Mackall, chn.; advertised in this issue.

Maryland—Until Oct. 12, by State Rds. Comn., 601 Garrett Bldg., Baltimore, paving 3.62 mi. state highway from Showell to Delaware State Line, Worcester Co., Contr. WO-18; 0.98 mi. state highway through town of Princess Anne, Somerset Co., Contr. S-12; 4.27 mi. state highway from end of Contr. 520 to New Windsor, Carroll Co., Contr. CI-27. J. N. Mackall, chn.; advertised in this issue.

N. C., Durham—Until Oct. 5 by Comrs. Durham Co., top soiling 4.32 mi. Durham-Robinson Grove Rd. F. E. Schnepfe, Durham, engr.

S. C., Darlington—Until Oct. 7 by W. C. Gandy, superv., Darlington Co., grading and surfacing 19.87 mi. McRee-Florence Rd., sand clay. W. S. Lewis, Florence, engr.

Fla., Jacksonville—Until Oct. 22, by City Comn. laying 3,300 sq.yd. concrete and 11,800 sq.yd. tile sidewalks. F. M. Edwards, Main and Orange Sts., city engr.

Kentucky—Until Oct. 5, by State Highway Comn., Old Capitol Bldg., Frankfort, shaping, draining and grading 10.4 mi. Madisonville-Dixon Rd. from Madisonville, Sta. 0 plus 00 to Webster Co. line, Sta. 549 plus 80, Hopkins Co., State Project 2, Federal Aid Project 41, Sects. A and B; 7.9 mi. Madisonville-Hopkinsville Rd. from Mortons Gap, Sta. 0 plus 00, to Christian Co. line, Sta. 467 plus 00, Hopkins Co., State Project 2, Sects. C and D, Federal Aid Project 41, Sects. C and E; 4.6 mi. Henderson-Dixon Rd. from Cairo Sta. 210 plus 00, to Webster Co. line, Sta. 454 plus 06, Henderson Co., State Project 2, Sect. A, Federal Aid Project 42; shaping, draining and surfacing 14.8 mi. London-Mt. Vernon Rd. from Rockcastle River, Sta. 0 plus 00, to north city limits of London, Sta. 783 plus 79.7, Laurel Co., State Project 5, Sect. A, Federal Aid Project 29, Sect. B, waterbound macadam, waterbound macadam surfaced treated or bituminous macadam (penetration type); 9.5 mi. Williamsburg-Corbin Rd. from Wofford, Sta. 247 plus 00, to Woodbine, Sta. 809 plus 00, Whitley Co., State Project 35, Sects. A and

Streets and Roads (Continued)

B, Federal Aid Project 23, Sect. C, Kentucky rock asphalt, waterbound macadam or waterbound macadam surface treated; 11.3 mi. Glasgow-North Rd. from Glasgow, Sta. 0 plus 00, to Hart Co. line, Sta. 597 plus 37, Barren Co., State Project 3, Federal Aid Project 28, Sect. A, waterbound macadam surface treated, bituminous macadam (penetration type) or Kentucky rock asphalt; shaping and surfacing 1.6 mi. Frenchburg-West Liberty Rd. from Frenchburg, Sta. O plus 00, to West Liberty, Sta. 85 plus 00, Menifee Co., State Project 32, Sect. A, waterbound macadam, waterbound macadam surface treated or gravel; surfacing 4.7 mi. Richmond-Kingston Rd. from end of present surface treatment, Sta. 112 plus 37, to Kingston, Sta. 359 plus 45, Madison Co., State Project 5, Sect. A. J. C. Boggs, state highway engr.

O., Westerville—Until Oct. 9, by Comrs. Franklin Co., (Columbus) grading, draining and paving with brick, 2,087 ft. Sect. 1 State St., here, 30 ft wide, brick, cost $59,423; 1,038 ft. Sect. 2 State St., 30 ft. wide, brick, $31,821. C. C. Lattimer, co. surv.

Wisconsin—Until Oct. 6, by State Highway Comn., at div. office 8, 1st Natl. Bank Bldg., Superior, grading 16.8 mi. Ashland-Iron River Rd., Federal Aid Project 121, Bayfield Co., involving 102.1 acres clearing, 89.66 acres grubbing, 137,315 cu.yd. earth and 4,329 cu.yd. borrow excav., 823.9 cu.yd. Class "A" concrete in culverts, 255 cu.yd. Class "A" concrete in structures over 20 ft. span, etc.

Missouri—Until Oct. 8, by State Highway Dept., Clinton, building 5.95 mi. Windsor-Leeton Rd., 24 ft. wide, Federal Aid Project 132, Henry Co., involving 10,385 cu.yd. earth excav., 97 cu.yd. borrow, 1.4 cu.yd. Class "B" and 1.7 cu.yd. Class "C" concrete masonry, 380 lb. reinforcement for concrete masonry, 56,025 sq.yd. specification "C," etc. About $54,291. Noted Aug. 5.

Missouri—Until Oct. 9, by State Highway dept., Doniphan, building 14.45 mi. Doniphan-Alton Rd. (Pine-Barclay Special Rd. Dist.), Federal Aid Project 21, Ripley Co., involving 55,054 cu.yd. earth excav., 36,428 sq.yd. gravel pavement specification "C," 16.7 cu.yd. Class "B" concrete, 41 cu.yd. Class "C" concrete masonry, 1,175 lb. reinforcement for concrete masonry, 545 lin. ft. 12-30 in. vitr. clay pipe culvert, cost $50,116; also rein.-con. skew slab superstructure and 1 concrete pier, on Sta. 735 plus 90, on above project, to have two 15 ft 8¾ in. spans, 18 ft. roadway, 4.9 cu.yd. Class "A," 147.5 cu.yd. Class "B" and 29.3 cu.yd. Class "C" concrete, 14,360 lb. reinforcement, $6,905.

Missouri—Until Oct. 22, by State Highway Dept., Fulton, building 18 mi. Fulton-Jefferson City Rd. (New Bloomfield Special Rd. Dist.), Federal Aid Project 97, Calloway Co., involving 79,150 cu.yd. earth and 969 cu.yd. rock excav., 21,984 cu.yd. borrow, 10,500 cu.yd. per 100 ft. overhaul, 251 sq.yd. 1 course rein.-con. pavement, 243 cu.yd. Class "B" and 93 cu.yd. Class "C" concrete masonry, 9,850 lb. reinforcement for concrete masonry, 348 lin.ft., 12-24 in. vitr. clay pipe, 79,131 sq.yd. specification "C" gravel pavement, 49,332 sq.yd. plain macadam pavement, etc., $119,767; rein.-con. slab super-structure, 4 rein.-con. pile bents and 1 temporary bridge, over drainage ditch, on Sta. 883 plus 21, to have three 15 ft. spans, 18 ft. roadway, 4.2 Class "A" and 59.2 cu.yd. Class "B" concrete masonry, 7,370 lb. reinforcement for concrete masonry, $5,198; rein.-con. skew slab superstructure and 5 concrete piers, over Middle River on Sta. 48 plus 80, both on above project, to have six 16 ft. spans, 18 ft. roadway, 13.3 cu.yd. Class "A," 86.6 cu.yd. Class "B" and 112.8 cu.yd. Class "C" concrete masonry, 10,650 lb. reinforcement for concrete masonry, etc., $8,499. Noted June 10, under "Fulton, Mo."

Missouri—Until Oct. 13, by State Highway Dept., Keytesville, building 1.13 mi. Sect. 1 State Rd. from Mussel Fork Creek westward, State Aid Project S 20.8, involving 896 cu.yd. earth excav., 37,101 cu.yd. borrow, 993 in. ft. wooden guard rail, cost $25,736; 0.6 mi. Sect. 2 State Rd. from Chariton River southeastward, State Aid Project S 20.8, both Chariton Co., 4,805 cu. yd. earth excav., 11,624 cu.yd. borrow, 2.2 cu.yd. Class "C" concrete masonry, and 3.5 lin.ft. 18 in. vitr. clay pipe culvert, $11,173. Bids will also be received at Fayette for building 1 mi. Natl. Old Trails Rd., 24 ft. wide, Federal Aid Project 95, Howard Co., 3,076 cu.yd. earth excav., 814 cu.yd. borrow, 9,387 sq. yd. Joplin chats pavement, 8.4 cu.yd. Class "B" concrete, 7.9 cu.yd. Class "C" concrete masonry, 548 lb. reinforcement for concrete masonry, 82 lin.ft. 12-15ft. vitr. clay pipe culvert, $14,459.

Missouri—Until Oct. 15 (change of date), by State Highway Dept., Sedalia, building 4.76 mi. Sedalia-Marshall Rd. (Sedalia 12 mi. Special Rd. Dist.), 24 ft. wide, Federal Aid Project 122, Pettis Co. About $57,270. Noted Sept. 23.

Ark., Siloam Springs—Until Oct. 21, by Bd. Comrs. Rd. Impvts. Dist. 5, Benton Co., at office of L. B. Kemper, secy., constructing 34.75 mi. road, involving 26 acres clearing and grubbing, 1,000 stations of fence moving, 136,000 cu.yd. earth excav., 367 cu.yd. concrete in culverts, 13,750 lb. steel bars, etc.

Tex., Jefferson—Until Oct. 6, by L. E. Hough, city clk., furnishing labor and material for 13,600 sq.yd. paving, 4,500 cu.yd. excav., 5,320 ft. tile drain, 4,775 lin.ft. curbing and guttering and 5 catch basins. H. E. Elrod Co., 320 Interurban Bldg., Dallas, engrs.

Tex., Rockport—Until Oct. 8, by F. Stevens judge Aransas Co., furnishing material and surfacing 9.51 mi. Rockport-Aransas Pass Rd., involving 20,107.3 cu.yd. mud shell, 3,061.5 cu.yd. reef shell, etc. About $60,266. F. C. Perceval, co. engr.

Tex., Tyler—Until Oct. 5, by W. R. Castle, judge Smith Co., grading and building concrete culverts and steel bridges on 2.45 mi. Highway 37 from Linsdale north, involving 18,150 cu.yd. earth excav., 273.2 cu.yd. Class "A" concrete, 5,056 cu.yd. graveling clay, 24,760 lb. structural and 9,620 lb. reinforcing steel, etc. About $45,116. D. K. Caldwell, co. engr. Noted July 22.

Colorado—Until Oct. 11, by State Highway Dept., Denver, grading and gravel surfacing 3.97 mi. Craig-Mabelle Rd., 16 ft. wide, Federal Aid Project 107, Moffat Co., involving 23,300 cu.yd. earth and 2,000 cu.yd. rock excav., 6,800 cu.yd. gravel, cost $53,661; 4.8 mi. Florence-Cripple Creek Rd., 16 ft. wide, Federal Aid Project 52, Teller Co., 4,900 cu.yd. earth and 7,400 cu.yd. rock excav., $21,480; 3½ mi. road from Wray to Schram, 16 ft. wide, Federal Aid Project 40, Yuma Co., 17,100 cu.yd. earth excav., 5,500 sq.yd. gravel, $27,174; grading 4 mi. Sect. B, Norwood Rd., 16 ft. wide, Federal Aid Project 7, Montrose Co., 23,200 cu.yd. earth and 9,500 cu.yd. rock excav., $45,023; 6.8 mi. Kremmling-Muddy Pass Rd., 16 ft. wide, Federal Aid Project 75, Grand Co., 35,700 cu.yd., earth and 300 cu.yd. rock excav., $22,564; paving 1.27 mi. Denver-Arvada Rd., 18 ft. wide, Federal Aid Project 120, Jefferson Co., 4,500 cu.yd. earth excav., 13,400 sq.yd. concrete, $54,149; grading and shale surfacing 1.8 mi. Rifle-Meeker Rd., 16 ft. wide, Federal Aid Project 128, Rio Blanco Co., 3,600 cu.yd. earth excav., 4,800 cu.yd. shale surfacing, $15,766. J. E. Maloney, State Museum Bldg., Denver, engr.

New Mexico—Until Oct. 14, by State Highway Dept., Capitol Bldg., Santa Fe, building 5.871 mi. road between Bernalillo and south line of Sandoval Co., Federal Aid Project 36, Sandoval Co., involving 12,615 cu.yd. Class 1 excav., 16,213 cu.yd. Class 1 borrow, 76,493 sta. yd. overhaul, 9,164 cu.yd 1 course gravel surfacing, 21.4 cu.yd. cement rubble masonry, 737 lin.ft. 18-30 in. corrugated metal culvert, 23.92 cu.yd. Class "A" concrete 81.8 cu.yd. Class "B" concrete in culvert walls, 10.5 cu.yd. Class "B" concrete in spillway, etc.; 15.157 mi. road between Magdalena and Datil, Federal Aid Project 42, Socorro Co., 22,333 cu.yd. Class 1 excav., 1,137 cu.yd. Class 1 borrow, 350 sta. yd. overhaul, 10,473 mi. crowning and shaping, 11,177 cu.yd. 1 course gravel surfacing, 336 lin.ft. 18 in. corrugated metal culvert, 16.2 cu.yd. Class "B" concrete in headwalls; 8 mi. road between Lordsburg and Steins, Federal Aid Project 44, Hidalgo Co., 8,693 cu.yd. Class 1 excav., 37,739 cu.yd. Class 1 borrow, 676 sta. yd. overhaul, 9,367 cu.yd. 1 course gravel surfacing, 18.3 cu.yd. cement rubble masonry, 144 lin.ft. 18 in. corrugated metal culvert, 1874 cu.yd. Class "A" and 9 cu.yd. Class "B" concrete in spillway, 4.7 cu.yd. Class "B" concrete in headwalls, etc.; 5.599 mi. road between east end of Project 19 and Dona Ana Co. line, Federal Aid Project 45, Luna Co., 12,765 cu.yd. Class 1 excav., 413 cu.yd. Class 1 borrow, 2,431 sta.yd. overhaul on excav. (excess 500 ft.), 2,197 mi. crowning and shaping, 6,570 cu.yd. 1 course gravel surfacing, 31,536 yd.mi. overhaul on surfacing (excess 1 mi.), 11.8 cu.yd. Class "B" concrete in headwalls; 11.572 mi. road between Valmont and Escondido, Federal Aid Project 49, Otero Co., 20,802 cu.yd. Class 1 excav., 1,465 cu.yd. Class 1 borrow, 7,557 sta. yd. overhaul, 20,978 cu.yd. Caliche surfacing, 260 lin.ft. 18 in. corrugated metal culvert, 7.9 cu.yd. Class "B" concrete in headwalls, etc. L. A. Gillett, state highway engr.

Arizona—Until Oct. 9, by T. Maddock, state engr., Phoenix, paving Sect. B Phoenix-Glendale Highway, Federal Aid Project 33, involving 9,200 cu.yd. excav., 37,200 sq. yd. paving and other incidental work, also Sect. A, of above project, 10,800 cu.yd. earthwork, 37,400 sq.yd. paving and other incidental work. Alternate bids will be received on 1 course plain concrete pavement, bitulithic pavement on cement concrete and on asphaltic concrete base, bituminous concrete surface course (modified Topeka type) on plain cement concrete and on asphaltic concrete base course.

Arizona—Until Oct. 14, by T. Maddock, state highway engr., c/o Bd. Supervs., Cochise Co., (Tombstone), building Sect. 1, Douglas-Rodeo Highway, 20 ft. wide, Federal Aid Project 38, Cochise Co., involving 48,000 cu.yd. concrete, 425 cu.yd. borrow and 27,000 cu.yd. earth excav. Cost to exceed $25,000.

Cal., Ventura—Until Oct. 6, by L. E. Hallowell, clk. Ventura Co., improving 2.46 mi. South Mountain Rd., involving 91,575 cu.yd. excav., 394 cu.yd. Class "B" concrete in bridges and culverts, and 24,080 lb. reinforcing steel.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Massachusetts**—State Highway Comn., Boston, let contract paving state highway, Kingston, to Lane Constr. Corp., 37 Colony St., Meriden, $60,181.

★**Massachusetts**—State Highway Dept., Boston, let contract paving 3.793 ft. state highway, Lexington, bituminous macadam, to Hauscom Constr. Co., 70 Kilby St., Boston. About $30,000.

★**Mass., Holyoke**—City let contract repaving Sargent and Race Sts., asphalt and concrete, to D. O'Connells Sons, 480 Hampden St., $31,483.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contract regulating and repaving Kingsland Ave., to Grecco Bros., 172 Russell St., $29,674; 7th Ave., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $7,463; 57th St., to T. E. McCormick, 810 Lincoln Rd., Flatbush, $20,353; restoring and repafring where directed, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $173,750. Noted Sept. 9.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contract improving Bedford Ave., to Leonard Paving Co., 233 Bway., New York City, $80,596; Bedford Pl., Bradford St. and Crooke Ave., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $8,646, $13,199 and $4,007 respectively; Bleecker St and 6th Ave., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $3,150 and $6,012 respectively; Tillary St., to Grecco Bros., 172 Russel St., $4,414. Noted Sept. 23.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contracts improving Ferris St., Neptune and Sullivan Aves., to C. Gallagher, $33,019, $5,664 and $39,706 respectively; Ave. L, to F. Persicano, $2,877; Van Dyke St., to F. J. Gallagher, 490 Park Pl., $16,923; 3rd St., to M. J. O'Hara, $26,305; furnishing and delivering 40,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., $3,480. Noted Sept. 16.

★**N. J., Newark**—Essex Co. let contracts improving Franklin Ave. in Belleville and Nutley, to Osborn & Marsellis, Belleville Ave., Montclair, $41,344 and $21,406 respectively; John and Rutgers Sts., Belleville, Belleville Ave., Glen Ridge, and Heller Parkway, Newark, to Northern Constr. Co., 75 Montgomery St., Jersey City, $152,020, $27,663, $155,067 and $30,130 respectively; Chancellor Ave. in South Orange and Irvington, to Standard Bitulithic Co., 50 Church St., New York City, $15,700 and $204,480 respectively. Noted Sept. 23.

★**W. Va., Madison**—Comrs. Boone Co. will grade 3 mi. Charleston-Logan Rd. between Kanawha Co. line and Racine. Work done by day labor under supervision of J. P. Blundon, co. engr. Noted Aug. 26.

★**S. C., Union**—Comrs. Union Co. let contract grading, draining and top soiling 5.32 mi. State Highway Project 92, to Elliott & Sims, Spartanburg, $28,623.

Ala., Decatur—Comrs. Morgan Co. received bid grading, draining and surfacing 9.17 mi. State Trunk Rd. from Albany to Hartselle, involving 10,400 cu.yd. stone macadam, 5.7 mi. road to be machined 4,000 cu.yd. earth excav., etc., from A. B. Howard & Co., 148 4th Ave., N., Nashville, Tenn., $61,742.

Streets and Roads (Continued)

★**O., Cleveland**—City let contract grading, draining and paving Chester Ave. from East 12th to East 17th Sts., to Cleveland Trinidad Paving Co., The Arcade, $26.387. Noted Sept. 9.

★**O., Columbus**—Franklin Co. let contract grading, draining and paving 1.17 mi. Sect. 1 and portion of Sect. 2 Hess Rd., 16 ft. wide, water bound macadam, to C. A. Baker, 916 Hayden Bldg., $32,445. Noted Sept. 16.

★**Michigan**—State Highway Dept., Lansing, let contract grading, draining and surfacing 7.329 mi. Assessment Dist. Rd. 137, 16 ft. wide, Ionia and Kent Counties, involving 6,325 cu.yd. earth excav., 22,392 sq.yd. base and 47,117 sq.yd. top course gravel surface, etc., to L. F. Seymour, Farwell, $40,006; grading and draining 9.651 mi. State Trunk Line Rd. 28-6, Sect. B, Gogebic Co., 57,380 cu.yd. earth and 2,688 cu.yd. rock excav., 12.9 acres clearing, 1,744 sq.rods grubbing, etc., to J. E. McNicholas, Marenisco, $84,841.

★**Michigan**—State Highway Dept., Lansing, let contract building .714 mi. State Trunk Line Rd. 13-17, Sect. A, Three Rivers, 20 ft. wide, involving 1,230 cu.yd. earth excav. and 8,386 sq.yd. concrete, to H. A. Hoxie, Three Rivers, $31,621. Noted Sept. 16.

★**Mich., Atlanta**—Comrs. Montmorency Co. let contract grading, draining and surfacing 3.277 mi. Sect. B, State Trunk Line Rd. 32-4, to F. H. Lond, Alpena, $55,547. Noted Aug. 26.

★**Minn., Fergus Falls**—Otter Tail Co. let contract graveling 9 mi. Federal Aid Project 159, 24 ft. wide, to M. J. Nolan, 2716 Bloomington Ave., Minneapolis. About $25,000. Noted Aug. 19.

★**Minn., Le Sueur**—Le Sueur Co. let contract building 5 mi. Federal Aid Project 199, between here and Cleveland, involving culverts, tiling and $45,000 cu.yd. excav., to Nolan Bros., 18 North 2nd St., Minneapolis. About $46,000.

★**Minn., Redwood Falls**—City let contract paving various streets, involving 36,000 sq.yd. 1 course 6 and 7 in. rein.-con., to Johnson, Drake & Piper, 912 Plymouth Bldg., Minneapolis. About $150,000.

★**Minn., St. Peter**—Nicollett Co. let contract grading 6.5 mi. County Jobs 1901, 1902, 2001 and 2005, to Webster Bros., St. Peter, $27,318.

★**N. D., Bowbells**—Comrs. Burke Co. let contract excavating, plowing and overhauling 15 mi. Federal Aid Project 77, 24 ft. wide, to Schultz Bros., Bowbells, $56,944; concrete work, to Stanley Bros., St. Cloud, Minn., $19,647.

★**Mont., Forsyth**—Rosebud Co. let contract grading and graveling 10 mi. Federal Aid Project 114, 24 ft. wide, to Schleuter Bros., Cartersville. About $64,000. Noted Aug. 5.

★**Missouri**—State Highway Dept., Bolivar, let contract building 13.864 mi. Bolinger-Springfield Rd., (Springfield Special Rd. Dist.), 24 ft. wide, Federal Aid Project 33, Polk Co., to Springfield Special Rd. Dist., Bolivar, $90,496. Noted Sept. 23.

★**Missouri**—State Highway Dept., Carthage, let contracts to Carthage Special Rd. Dist., care of A. M. Reynolds, Carthage, building 6.47 mi. Joplin-Carthage Rd., Federal Aid Project 84, Jasper Co., involving 22,258 cu.yd. earth and 6,800 cu.yd. rock excav., at $0.60 and $2. per cu. yd., 1,642 cu.yd. borrow, $0.85, 3,000 cu.yd. per 100 ft. overhaul, $0.03, 68,784 sq.yd. 1 course plain cement concrete pavement, $2.48, 216.4 cu.yd. Class "B" concrete masonry, $25., 15,209 lb. reinforcement for concrete masonry, $0.10, etc., total cost $205,981; rein.-con. slab superstructure and 2 concrete piers, on Sta. 230 plus 95, on above project, to have three 15 ft. spans, 18 ft. roadway, 11.6 cu.yd. Class "A", 47.5 cu.yd. Class "B" and 72.9 cu.yd. Class "C" concrete masonry, 6,410 lb. reinforcement for concrete masonry, $4,085.

★**Missouri**—State Highway Dept., Kennett, let contract building 8.62 mi. Dexter-Malden-Kennett Rd., 24 ft. wide, Federal Aid Project 26, Dunklin Co., to J. E. Crane, Murphreesboro, Ill., $107,283. Noted July 29.

Tex., Cameron—Milan Co. received bids improving 5.7 mi. Highway 44, C. Federal Aid Project 191, (a) involves 2 acres clearing and grubbing, grading road, 4,177 cu. yd. earth borrow; (b) surfacing road with schist and gravel; (c) building concrete drainage structures, from F. L. Tribble, Rockdale; (a and b) $26,237, J. L. Barmore, Cameron; (c) $4,063; Rice & Winder, Richmond; (a, b and c) $33,618; Cook & Arrington, Crockett; (a and b) $34,928. Work involves 5,991 lb. reinforcing steel, 4,096 cu.yd. gravel and 8,046 cu.yd. Schist surfacing, 62.19 cu.yd. Class "A," 15.12 cu. yd. Class "B" and 27.6 cu.yd. 1:2:3½ concrete.

★**Tex., Greenville**—Hunt Co. will grade, surface and build bridges and culverts on 11.14 mi. Highway 1 from Concord to Collin Co. line, Federal Aid Project 171, cost $408,654; including 10% for engineering and contingencies. Work will be done by day labor under supervision of A. J. Gates, co. judge. Noted Sept. 9.

★**Tex., Hillsboro**—Hill Co. let contract grading, surfacing and draining 13.98 mi. Highway 31 through Hill Co., Federal Aid Project 124, to Bibb & Hughes, Waco, $250,720; including material furnished by county and 10% for engineering and contingencies. Noted Sept. 23.

★**Tex., Hillsboro**—Hill Co. let contract to Bibb & Hughes, Waco, for grading, surfacing, and constructing concrete bridges and culverts on 8.5 mi. Bynum Special Rd. Dist. 10, gravel nad rock surface, $101,184; 16 mi. Abbott Special Rd. Dist., gravel on white rock base, $142,160; 8 mi. Acquilla Special Rd. Dist. 12, gravel surface, $99,572; 40 mi. Hubbard City and Mt. Calm Rd. Dists., gravel surface, $268,508.

Tex., Jasper—Jasper Co. received bids Sept. 13, grading and draining 12.48 mi. Highway 8 from Buna southeast to Newton Co. line, 24 ft. wide, from H. F. Bland, San Augustine, $62,213; J. A. Shaw, Jasper, $64,673. Noted Aug. 26.

★**Tex., Nacogdoches**—Nacogdoches Co. let contract improving 45 mi. various roads, 24 ft. wide, to Smith Bros., Crockett, $191,000. Work involves 280 acres clearing and grubbing, 200,000 cu.yd. overhaul, 350,000 cu.yd. borrow, 45,000 cu.yd. loose and 5,000 cu.yd. solid rock excav.

★**Okla., Miami**—City let contract paving 3rd Ave., Dist. between Main and H Sts., and 1 St. Dist. between H and 3rd Aves., bitulithic, to A. R. Young Constr. Co., Miami. About $44,000.

★**Colorado**—State Highway Dept., Denver, let contract grading, draining and surfacing 6½ mi. Moffat Highway, between Craig and Mabelle, 16 ft. wide, gravel, Moffat Co., to Northwestern Constr. Co., Craig, $67,736. Noted Sept. 16.

Wash., Seattle—City received bids Sept. 18, grading, et al, (1) 10th Ave., N. E., involving 27,200 lin.ft. type "A" armored concrete curb, 2,900 lin.ft. clay, side connections, 1,967 lin.ft. 8 in. clay sewer pipe, etc., (2) paving, et al, Shilshole Ave., et al., 4,500 cu.yd. earthwork and sub-grading, 2,370 lin.ft. type "A" armored concrete curb and 17,000 sq.yd. 7 in. concrete paving, (a) clay, (b) concrete, from J. N. Badolato, Builders Exch., (1a) $70,694, (1b) $70,396; J. L. Smith, Pioneer Bldg., (1a) $71,857, (1b) $71,857, (2a) $73,682, (2b) $73,682; Fiorito Bros., 6022-2nd St., N. W., (1a) $72,307, (1b) $71,542, (2a) $73,483, (2b) $73,115; S. A. Moceri, Alaska Bldg., (2a) $74,200, (2b) $74,200.

★**Wash., Seattle**—King Co. let contract paving R. A. Ballinger Rd., involving 4,700 cu.yd. earth excav. and 10,652 sq.yd. concrete to Kaiser Paving Co., Seaboard Bldg., $39,531. Noted Sept. 23.

Railways

PROPOSED WORK

Ohio—Pennsylvania Lines West of Pittsburgh, Pennsylvania Sta., Pittsburgh, Pa., plan to build 15 additional tracks, at Fairhope yards, to have 800 car capacity. W. D. Wiggins, ch. engr.

Excavation and Dredging

PROPOSED WORK

Mo., Browning—Drainage—Locust D. D. having surveys made by Jacoby Eng. Co. engrs., 528 Shukert Bldg., Kansas City, Mo., for draining 3,000 acres in Linn and Sullivan Counties.

Mo., Kirksville—Drainage—Brashear D. D., Adair Co., having surveys made for draining 3,500 acres of land. C. E. Jacoby Eng. Co., 528 Shukert Bldg., Kansas City, Mo., engrs.

Okla., Tulsa—Ditch—Tulsa Co. had plans prepared for open ditch work in Sects. 3, 4 and 5, Twp. 19, Range 12. About $60,000. Hughes Eng. Co., 310 Scott Bldg., engrs.

BIDS DESIRED

Ia., Algona—Ditches—Until Oct. 7, by Ed. Supervs., Kossuth Co., building open ditches and tile drains in D.D. 165, known as extension of D.D. 80. Sect. 1 includes 24,900 ft. open ditch, involving 936,000 cu.yd. excav. and 13,500 ft. open ditch to be cleaned, involving 181,000 cu.yd. excav.; Lateral A, 2,400 ft. open ditch, involving 32,500 cu.yd. excav. and 5,000 ft. 14 in. culvert pipe; Sect. 2, 27,890 ft. 6-26 in. tile, 15 intakes, etc. E. H. Beardsley, aud.

Ia., Atlantic—Drainage—Until Oct. 14, by C. E. Kringel, aud. Cass Co., building 12 mi. drainage ditches for straightening Seven Mile Creek and its tributaries in Bear Grove and Noble Twps. Sect. 1 involves 343,000 cu.yd. excav., Sect. 2, 45,600 cu.yd.

Ia., Nevada—Drainage—Until Oct. 12, by F. E. King, aud. Story Co., building Nevada Twp. D.D 17, including Main Branches, A, B, C, D, F, G and H, also Laterals A1, A2, A2A, C1, C2, C3, D1, D2, F1, F1A, F2, F2A and F3. Work involves 3,400 ft. 42 in. segmental block drain, 71,195 ft. 6-36 in. tile, etc.

Ia., Webster City—Drainage—Until Oct. 4, (change of date), by H. Baxter, aud. Hamilton Co., building Matilda Weimer D.D. 241, and Lydia Anderson D.D. 242. Abot $40,000. Noted Sept. 16.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Essex**—Excavation—See "Miscellaneous."

★**Ia., Clarion**—Ditch—Wright Co. let contract furnishing material building D.D. 187 Blaine and Vernon Twps., to Natl. Sewer Pipe Co., Webster City; open work, to Matthew Bros., Galt; labor on tile, to G. Walden, Goldfield; total, $53,935. Noted Aug. 5.

★**Ia., Le Mars**—Drainage—Plymouth Co. let contract improving Highway D.D. 1, to include 4 open ditches, involving 31,800 cu.yd. excav., to C. Thompson, 685 Brandeis Bldg., Omaha, Neb. Noted July 8.

★**Minn., Madison**—Ditch—Lac qui Parle Co. let contract for labor for building Co. Ditch 53, involving 50,000 ft. 6-28 in. tile, to J. O. Volden, Madison, $11,000; furnishing tile, to Watertown Tile & Constr. Co., Watertown, S. D., $15,723; hauling tile, to H. O. Carlson, Madison, $5,500.

Industrial Works

PROPOSED WORK

Me., Lisbon Falls—Worumbo Mfg. Co. plans to build rein.-con. and brick addition to factory. About $100,000. Architect not selected.

Mass., New Bedford—Whitman Mills Corp., Whitman St., soon lets contract constructing 2 story, 60 x 140 ft., brick and concrete addition to waste building, rein.-con. flooring, concrete foundation. About $75,000.

Mass., Springfield—Natl. Automobile Parking Co. plans to build 5 story, 100 x 200 ft., rein.-con. and steel garage, on Dwight St. About $500,000. T. W. Carman, 15 Temple St., vice-pres. Architect not selected.

Mass., Whitingsville—Whitin Machine Wks. plan to build 4 story, 75 x 200 ft. and rein.-con., garage fire station and storehouse. About $150,000. J. D. Leland, 185 Devonshire St., Boston, archt.

Mass., Worcester—E. A. Cowel Co., 51 Crescent St., plans to buid brick and steel warehouse. About $50,000. Architect not selected.

Mass., Worcester—J. Rice, archt., 306 Main St., preparing plans for 2 story, 150 x 180 ft., brick and rein.-con. garage, rein.-con. flooring, concrete foundation, on Pleasant St. About $200,000. Owners name withheld.

Mass., Wrentham—Commonwealth of Massachusetts, State Schoolhouse Dept., Boston will have revised plans prepared and soon receive bids for 1 story, 50 x 70 ft. cold storage building and 1 story, 40 x 90 ft. industrial building, at state school, here. About $100,000. Former bids rejected. Kendall, Taylor & Co., 93 Federal St., Boston, archts. and engrs.

Conn., Hartford—Arrow Electric Co., 99 Hawthorne St., plans to build 3 story, brick, factory addition, on Capitol Ave. Buck & Sheldon, Inc., 60 Prospect St., engrs.

Industrial Works (Continued)

Conn., New Hartford—D. B. Smith & Son plan to rebuild cotton mill recently destroyed by fire. Cost to exceed $50,000.

Conn., Waterbury—Cudahy Packing Co., 592 West Main St., plans to build brick and concrete warehouse, on Sperry St. About $50,000.

N. Y., Buffalo—Natl. Lamp Co., Nela Park, East Cleveland, O., plans to build 1 story, rein.-con., brick and steel power plant, rein.-con. flooring, concrete and brick foundation, here. About $200,000. G. H. Johnson, Nela Park, East Cleveland, O., archt.

N. Y., Green Island (Troy P. O.)—Ford Motor Co., Boulevard and Woodward St., having plans prepared by Stone & Webster, engrs., 120 Bway., New York City, for factory, here. About $2,000,000.

N. Y., Rochester—Rochester Castings Corp. having plans prepared by J. F. Ancona, archt., 307 Cutler Bldg., for 1 story, 280 x 1,000 ft. foundry, concrete, brick and steel.

Pa., Johnstown—Cambria Steel Co. having plans prepared by A. S. McKee Co., archts., 2422 Euclid Ave., Cleveland, O., for 3 story, 60 x 170 ft. sintering plant, brick and steel, brick foundation. About $300,000.

Pa., Phila.—G. Taylor & Co., care of G. S. Idell, archt., 1705 Chestnut St., having plans prepared for 1 story, 60 x 200 ft., brick factory, on Kensington St.

Pa., Williamsport — McCormick Motor Cars Co. plans to build 4 story, 102 x 196 ft., concrete and steel garage, rein.-con. flooring, on 3rd and Hepburn Sts. About $250,000. Turner Constr. Co., 1713 Sansom St., Phila., archts.

D. C., Wash.—Washington Ice Mfg. Co., 3327 K St., N.W., plans to build plant on 23d and M Sts., N.W. About $200,000.

Va., Richmond—Tredegar Iron Wks., 5th St., plans to rebuild pattern and machine shop recently destroyed by fire. Loss $250,000.

S. C., Ware Shoals—Ware Shoals Mfg. Co. plans to build 3 story, 60 x 100 ft. rein.-con. and stone plant, 30 cottages, dairy and ice plants, 80 ft. rein.-con. bridge, etc. Jackson & Moreland, 387 Washington St., Boston, archts.

O., Cleveland—Globe Motors Co., c/o F. W. Staffeld, secy., State Bank & Trust Co., West 65th St. and Detroit Ave., plans to build 1 story, rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, to have 180,000 sq.ft. floor space, on Euclid Ave. and Chardon Rd. About $300,000. Architect not selected.

O., Cleveland—A. Holbeck, c/o A. D'Cefert, archt., Permanent Bldg., having plans prepared for 1 story, 74 x 138 ft., brick and steel garage, brick and concrete foundation, on East 93rd St. and Woodland Ave. About $50,000.

Ind., Frankfort—Stewart Wire Wheel Co. had plans prepared by R. Leonard, archt., Peoples Life Bldg., for 2 story, 60 x 85 ft., factory and office, brick and steel, rein.-con. flooring. About $75,000.

Ind., New Haven—Visible Pump Co., 402 Central Bldg., Ft. Wayne, plans to build a gasoline and oil pump factory, here. About $100,000. Architect not selected.

Ill., Chicago—C. G. Stevens Co., 33 South Jefferson St., plans to build 1 story warehouse on Western Ave. and 45th Pl. About $75,000. Architect not announced.

Ill., East St. Louis—East St. Louis Locomotive & Car Co. plans to build 1st unit of plant, on 150 acre site here. About $500,000. R. W. Crawford, 5483 Ellis Ave., Chicago, pres. Architect not selected.

Ill., East St. Louis—T. J. Moss Tie Co., Security Bldg., plans to build wood creosoting plant, on Cahokia Rd. along tracks of Terminal R.R. About $250,000. Private plans.

Wis., Menasha—Wentink Mfg. Co. had plans prepared by O'Keefe & Orbison, engrs., 814 College Ave., Appleton, for 1 story, 60 x 240 ft., brick and steel factory. About $100,000. Noted May 6.

Kan., Topeka—Topeka Fdry. & Iron Co., 318-322 Jackson St., plans to build foundry, machine shop and structural shop, brick. About $100,000. Architect and engineer not selected.

Kan., Wakeeney—City rejected bids received Sept. 17, building power plant and coal bunkers, etc. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 2.

Kan., Wichita—Victory Mill & Elevator Co. having plans prepared by Sherman Eng. Co., engrs., Kansas City, Mo., for 7 story mill and elevator. About $460,000.

Kan., Wichita — Wichita Clear Vision Pump Co., 1107 East Douglas Ave., plans to build 70 x 320 ft. factory, on Harry St., between Mosley St. and Mead Ave. About $500,000. J. M. Crouse, pres. Architect and engineer not selected.

Kan., Wichita—Wichita Visible Gasoline Pump Co., 701 Gilbert St., plans to construct plant, to include machine shop and tank construction building. About $100,000. R. A. Jacobs, pres. Architect and engineer not selected.

Neb., Lincoln—Douglas Milk Co. having plans prepared by J. B. Miller, archt., 324 Little Bldg., for 4 story, 100 x 142 ft. dairy, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $200,000.

Mo., St. Louis—Missouri Car Co., Wright Bldg., plans to build street car plant. About $250,000. L. Viterbo, dir. After Oct. 15 address T. A. Brewster, pres., Central Natl. Bank Bldg. Architect not selected.

Mo., St. Louis—Sieloff Packing Co., 4339 Natural Bridge Rd., plans to build plant on Natural Bridge Rd. and Clarence St. About $500,000. E. G. Sieloff, pres. Architect not selected.

Mo., Webb City—Rock Hill Pants & Cloth Co. receives bids about Oct. 1, building 2 and 3 story, 61 x 150 ft. and 16 x 30 ft. pants factory, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. About $150,000. Bucy, Miller Eng. Co., Joplin, engrs.

Ark., Ft. Smith—Harding Glass Co., Kelley Highway and North 11th St., plans to build mill construction glass plant, covering 3½ acres. About $175,000. Architect not selected.

Okla., Bruner (Tulsa P. O.)—C. Page, Sand Springs, plans to build cement plant and large crusher, 1½ mi. north of here. About $100,000. Engineer not decided.

Ont., Doon—Doon Twines Ltd., plans to rebuild factory destroyed by fire. Loss $150,000.

Ont., Ingersoll—O. E. Robinson Co. plans to rebuild evaporator on Victoria St. About $100,000.

Ont., Listowel—H. B. Morphy plans to build factory here. About $150,000. Architect not selected.

Ont., London—Beatty Bros., York St., will prepare plans for 2 story, 50 x 400 ft. rein.-con. extension to factory on Chelsea Green. About $160,000. Prviate plans.

Ont., London—Service Motor Truck Co., Wabash, Ind., soon lets contract building three 1 story, 100 x 300 ft. factories on Chelsea Green, here. About $250,000.

BIDS DESIRED

Mass., Somerset—Somerset Fdry. Co. receiving bids building 1 story, brick and steel foundry, concrete foundation. About $50,000. N. S. Chase, Borden Blk, Fall River, engr.

Mass., Somerville—New England Breakfast Food Co., 29 Newberne St., receiving bids building 3 story, 45 x 85 ft. addition to plant, concrete and steel, rein.-con. flooring, concrete foundation, on Lowell St. About $50,000. S. A. Smith, 27 School St., Boston, archt.

Conn., New Haven—Westcott & Mapes, Inc., engrs., 207 Orange St., receiving bids building 3 story, 60 x 140 ft., rein.-con., brick and steel warehouse, rein.-con. flooring, concrete foundation, on James St., for Natl. Folding Box & Paper Co. About $100,000. Noted Sept. 2.

Pa., Phila.—Fleischman Yeast Co., 701 Washington St., New York City, receiving bids building 3 story, 36 x 124 ft., concrete and brick garage, at 1707 Vine St., here. Private plans.

Md., Baltimore—Until Oct. 1, by Amer. Can Co., Maryland Trust Bldg., constructing 4 story, rein.-con. brick and steel factory, rein.-con. flooring, concrete foundation, on Hudson and Boston Sts. About $500,000. C. Z. Treis, 120 Bway., New York City, archt. Noted Aug. 26.

Wis., Camp Douglas—Until Oct. 11, by H. C. Hengels, state military archt. and engr., 425 East Water St., Milwaukee, building 1 story, 44 x 208 ft., brick, concrete and steel warehouse, rein.-con. flooring, concrete foundation, for Wisconsin National Guard.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Nashua**—Asbestos Wood Co., Bridge St., let contract building 1 story, 90 x 220 ft., brick addition to plant on Belknap St., to D. F. Holt & Son, 282 Main St. About $50,000.

★**Mass., Boston**—West End Credit Union, c/o J. F. Krokyn, archt., 484 Blue Hill Ave., Roxbury, will construct 3 story, 30 x 50 ft. brick, stone and steel, mercantile building, concrete foundation, on Chambers St., to be used for light manufacturing purposes. About $50,000. Work will be done by day labor.

★**Mass., Cherry Valley** — Chapel Mills Mfg. Co. let contract building 2 story, 43 x 112 ft. mill construction addition, concrete foundation, to E. D. Ward Co., 82 Foster St., Worcester. About $50,000.

★**Mass., Holyoke**—T. J. Lynch, 206 High St., let contract building 2 story, 60 x 75 ft., rein.-con. and brick garage, rein.-con. flooring, concrete foundation, on Bowers St., to Lynch Bros. Brick Co., 206 High St. Cost between $40,000 and $50,000.

★**Mass., Shawsheen**—Amer. Woolen Co., 245 State St., Boston, let contracts building 3 story, 123 x 300 ft., storage plant, and 2 story, 64 x 130 ft. garage, rein.-con. and brick, rein.-con. flooring, concrete foundations, here, to Turner Constr. Co., 178 Tremont St., Boston. About $325,000 and $80,000 respectively.

★**Mass., Springfield**—Tait Bros., Cass St., will build 3 story, 40 x 165 ft. addition to ice cream plant, brick and steel, concrete foundation. About $60,000. Work will be done by day labor.

★**R. I., Providence**—R. T. Slade, 547 Elmwood Ave., let contract building 1 story, brick and rein.-con. garage addition, rein.-con. flooring, concrete foundation, to E. H. Bigney, 17 Custom House St. About $50,000. Noted Sept. 16.

★**R. I., Woonsocket**—Amer. Wringer Co., 91 Social St., let contract constructing 2 story, 66 x 180 ft., mechanical roll building, brick and steel, rein.-con. flooring, concrete foundation, on Pound and Clinton Sts., to P. J. Donahey Co., 21 Bell St. About $100,000. Noted Sept. 16.

★**Conn, Hartford** — Underwood Typewriter Mfg. Co., 581 Capitol Ave., let contract building 2 story, 130 x 145 ft., rein.-con., brick and steel warehouse, rein.-con. flooring, concrete foundation, on Woodbine St., to Tidewater Bldg. Co., 16 East 33rd St., New York City. About $75,000.

★**Conn., Naugatuck**—Rubber Regenerating Co., Elm St., let contract altering several buildings and constructing 1 story, brick and steel addition to machine shop, rein.-con. flooring, concrete foundation, to E. T. Ley & Co., Inc., 499 Main St., Springfield, Mass. About $50,000.

★**N. Y., Brooklyn**—New York State Hospital Comn., Albany, let contract building 2 story, 50 x 70 ft. addition to laundry at State Hospital, here, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to White-Johnson Co., 1133 Bway., New York City. About $450,000.

★**N. Y., Brooklyn**—Perri Contg. Co., 17 Spencer St., will build 1 story, 40 x 50 x 100 x 190 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Flushing Ave. About $50,000. Work will be done by day labor.

★**N. Y., Brooklyn**—W. R. Rosenstein, 204 New Lots Rd., will build 2 story, 100 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Willoughby Ave. near Lawrence St. About $75,000. Work will be done by day labor.

★**N. Y., Jamaica**—Scott & Williams, 366 Bway., New York City, let contract building 2 story machine shop, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Archer and Middletown Sts., here, to J. Thatcher & Son, 60 Park Ave., Brooklyn. About $50,000. Noted Aug. 26.

★**N. Y., New York**—W. S. Barrington, 191 9th Ave., let contract building 4 story, 100 x 200 ft. garage and service station, brick and steel, rein.-con. flooring, concrete foundation, on 13th Ave., to Standard Concrete Steel Co., 201 West 31st St. About $200,000.

Industrial Works (Continued)

★**N. Y., New York**—Dept. Plants & Structures, Municipal Bldg., let contract building 1 story, 100 x 120 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Delancy St., to Currie Bldg. Corp., 1708 13th St., Brooklyn. About $50,000.

★**N. Y., New York**—G. Dose Eng. Co., 42 West 27th St., will build 2 story, 100 x 200 ft., brick and steel garage and service station, rein.-con. flooring, concrete foundation, at 529 West 55th St. About $175,000. Work will be done by day labor.

★**N. Y. New York**—W. J. Flynn, 11 East 167th St., will build 1 story, 100 x 175 ft., rein.-con. brick and steel garage, concrete foundation, on Cromwell Ave. near 170th St. About $80,000. Work will be done by day labor.

★**N. Y., New York**—A. J. Goodwin, 332 East 35th St., will build 2 story, 75 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation. About $60,000. Work will be done by day labor under supervision of F. E. Vitolo, archt., 56 West 45th St.

★**N. Y., New York**—Scharlin Bros., 238 East 20th St., let contract building 4 story, 50 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, at 148 East 24th St., to Sobray-Whitcomb Co., 105 West 40th St. About $100,000.

★**N. Y., Sheepshead Bay** (Brooklyn P. O.)—C. A. Benoit, Jerome Ave., let contract building chemical factory, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to Dose Eng. Co., 43 West 27th St., New York City. About $150,000. Noted Sept. 2.

★**Pa., Phila.**—Cramp Shipbuilding Co., Richmond and Norris Sts., let contract building 2 story, 60 x 120 ft., concrete and brick addition to power house. Private plans.

★**Pa., Phila.**—Orinoka Mills, Ruth St. near Somerset St., let contract building 1 story, 50 x 117 ft. boiler and power house, brick, on Steiner and Jasper Sts., to Wilson-Ruff Co., Franklin Trust Bldg. About $100,000.

★**Md., Baltimore**—Baltimore Buggy Top Co., 107 West Mt. Royal Ave., let contract building 3 story, 90 x 150 ft. addition to plant, rein.-con. and brick, concrete foundation, on Guilford Ave. near Chase St., to J. F. Kunkel, 29 South Linwood Ave. About $100,000. Noted Sept. 2.

★**Md., Baltimore**—Kennedy Corp., Fidelity Bldg., let contract building 1 and 2 story addition to iron foundry, concrete, brick and steel, concrete foundation, on Charles and Wells Sts., to Frainie Bros. & Haigley, 18 Clay St. About $100,000.

★**Md., Baltimore**—Union Fish Co., Fish Market, will build 3 story, 60 x 90 ft. service station and garage, rein.-con., brick and steel, concrete foundation, at 1419-23 Maryland Ave. About $60,000. Work will be done by day labor.

★**La., Bogolusa**—Great Southern Lumber Co., let contract building addition to paper mill plant, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Stone & Webster, 120 Bway., New York City. About $250,000.

★**O., Cleveland**—Cleveland Ry., Leader-News Bldg., let contract building 1 story, 46 x 72 ft., electric sub-station, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 152d St. and St. Clair Ave., to W. I. Thompson & Son, 5103 Euclid Ave. About $100,000. Noted April 15.

★**Mich., Owosso**—Amer. Malleable Co. let contract building 1 story, rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, to H. K. Ferguson Co., Vickers Bldg., Cleveland, O. About $150,000.

★**Ill., Belvidere**—Rogers Grain Products Co. let contract building mill and grain elevator, crib construction, galvanized iron exterior, to L. Buege, 230 Boston Blk., Minneapolis, Minn. About $75,000.

★**Wis., Sheboygan**—Juul & Smith, archts., Imig Blk., let contract to H. Loesing, 914 Superior St., building 2 story, 60 and 70 x 100 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, here, for Columbia Rubber Mills, 176 16th St., Milwaukee. About $60,000. Noted Sept. 2.

★**Minn., Minneapolis**—Natl. Lamp Wks. Co., Guard Bldg., Cleveland, O., let contract building 3 story, 42 x 83 x 115 ft., mill construction warehouse, at 1200 Jackson St., N. E., here, to C. W. Lunquist & Co., 715 15th Ave., N. E. About $65,000. Owner will buy materials.

SHAFTS—NEW YORK, N. Y.

Contract No. 1

Bids were received by New York State Bridge & Tunnel Comn., & New Jersey Interstate Bridge & Tunnel Comn., Hall of Records, for constructing Canal and Spring St. shafts for Hudson River Vehicular Tunnel, from (A) T. B. Bryson, 52 Vanderbilt Ave.; (B) Booth & Flinn, Ltd., 17 Battery Pl.; (C) P. M. McGovern, 50 East 42nd St.; (D) F. L. Cranford, Inc., 149 Remsen St., Brooklyn, $969,000; (E) Rodgers & Hagerty, $1,240,000. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
330 cu.yd. excavation for sewers and pipes, except Canal St. sewer	$7 25	$9 00	$32 00
1,030 cu.yd. excavation above M.H.W. for main Canal St. sewer	6 75	17 00	41 50
840 cu.yd. excavation below M.H.W. for main Canal St. sewer	8 25	17 00	44 50
870 cu.yd. earth excavation above M.H.W. for shafts	6 75	24 00	33 00
8,330 cu.yd. earth excavation below M.H.W. for shafts	20 00	24 00	33 00
10 cu.yd. rock excavation for permanent shafts	1 00	5 00	25 00
725 cu.yd. concrete in main Canal Street sewer	18 00	20 50	30 00
2,710 cu.yd. concrete in caisson walls and floors	15 00	20 00	30 00
770 cu.yd. concrete placed in compressed air	21 00	20 00	30 00
300 bbl. mortar batches in connection with placing concrete	4 50	6 50	5 00
5 cu.yd. brick masonry	30 00	40 00	40 00
10 bbl. grout, Portland cement 1 to 1, not in compressed air	5 00	8 50	7 00
10 bbl. grout, Portland cement 1 to 0, not in compressed air	4 50	8 50	6 50
1,000 bbl. grout, Portland cement 1 to 1, in compressed air	5 75	12 50	8 00
100 bbl. grout, Portland cement 1 to 0, in compressed air	5 25	12 50	7 50
5 cu.yd. brick in asphalt mastic, in compressed air, including 1-ply fabric	60 00	71 00	53 00
10 sq.yd. waterproofing in compressed air, including layer of brick—4-ply	3 50	5 55	6 30
460 sq.yd. waterproofing in compressed air, including layer of brick—6-ply	5 00	15 00	8 15
2 tons riveted steel (except shaft caisson)	125 00	160 00	240 00
1,190 tons steel work forming part of shaft caissons	282 00	225 00	240 00
2 tons steel beams and shapes	100 00	200 00	240 00
40 tons steel rods and bars	100 00	200 00	150 00
500 lb. wire forms, special	12	30	17
500 lb. wrought iron or steel pipe, except pipe for electric conduits	06	35	15
100 lb. malleable iron fittings for new wrought iron or steel pipe	20	25	15
100 lb. miscellaneous wrought iron and galvanized iron	10	15	20
17 tons cast iron hub and spigot pipe (straight pipe)	80 00	150 00	100 00
4 tons cast iron hub and spigot pipe (special castings)	150 00	190 00	210 00
5 tons cast iron pipe (straight pipe) high pressure	100 00	120 00	110 00
2 tons cast iron pipe (special castings), high pressure	200 00	230 00	220 00
1 ton cast iro manhole and catch basin fixtures and gratings	150 00	175 00	120 00
60 lin.ft. changing 6-in. cast iron water pipe	23 50	1 70	80
60 lin.ft. changing 12-in. cast iron water pipe	9 00	3 00	1 70
60 lin.ft. changing 16-in. high pressure cast iron pipe	16 00	4 40	3 00
60 lin.ft. changing 4-in. gas pipe	3 50	1 65	50
60 lin.ft. changing 6-in. gas pipe	4 50	1 70	70
60 lin.ft. changing 10-in. gas pipe	8 00	2 20	1 30
60 lin.ft. changing 12-in. gas pipe	10 50	3 00	2 80
50 det.ft. furnishing and changing ducts and conduits	50	28	1 00
100 lin.ft. furnishing and changing wrought-iron, steel cond. 2-in.	50	5 40	60
950 lin.ft. furnishing and changing wrought-iron, steel, cond. 2½-in.	75	2 75	75
340 lin.ft. furnishing and changing wrought-iron, steel, cond. 3-in.	1 00	7 00	1 00
100 lin.ft. furnishing and changing wrought-iron, steel, cond. 3½-in.	1 25	4 95	1 25
100 lin.ft. furnishing and changing wrought-iron, steel, cond. 4-in.	1 50	5 25	1 55
100 lin.ft. furnishing and changing wrought-iron, steel, cond. 4½-in.	1 75	6 50	1 85
50 l in.ft. furnishing and changing fibre conduit, 3-in.	1 00	3 00	1 00
100 lin.ft. furnishing and changing fibre conduit, 4-in.	1 50	5 00	1 55
60 lin.ft. changing or laying cast-iron sewer pipe, 12-in.	8 00	3 20	2 00
110 lin.ft. by-passing pipes, without trestle, 4-in.	5 50	3 45	3 00
100 lin.ft. by-passing pipes, without trestle, 6-in.	8 00	3 75	6 00
100 lin.ft. by-passing pipes, without trestle, 10-in.	13 00	6 40	10 00
100 lin.ft. by-passing pipes, without trestle, 12-in.	16 00	8 60	13 00
800 lin.ft. shifting New York Central Railroad tracks	3 50	12 00	75 00
Building and equipping engineer's field office (lump sum)	22,0000 00	20,000 00	15,000 00
20M.ft.b.m. temporary timber decking over shafts (excl. of surface restoration)	90 00	150 00	150 00
700 lin.ft. building tight board fence around shafts and park	1 00	5 00	5 00
300 sq.yd. restoration of roadways with granite block pavement	2 75	4 00	8 00
190 sq.yd. restoration of sidewalks	2 75	5 00	3 00
Extended totals	$650,000 00	$695,000 00	$941,000 00

★**S. D., Sioux Falls**—Diocesan College, c/o Bishop O'Gorman, let general contract constructing 2 story, 40 x 60 ft. service building and 60 x 60 ft. (underground) heating and power plant, rein.-con. and brick, to Carson & Smitkey, Sioux Falls. Cost to exceed $100,000.

★**Mo., Kansas City**—Evans Smith Drug Co., 524 West 5th St., let contract building 3 story, 100 x 107 ft. warehouse and 1 story, 49 x 107 ft. office, concrete and brick, rein.-con. flooring, on 26th St. and Southwest Blvd., to G. E. Bowling, Sharp Bldg. About $100,000.

★**Okla., Oklahoma**—Missouri, Kansas & Texas Ry., Ry. Exch. Bldg., St. Louis, Mo., let contract building railroad shops and round house, rein.-con., brick and steel, rein.-con. flooring, concrete foundations, to H. D. McCoy, 107 West Henderson St., Cleburne, Tex. About $150,000. Noted Sept. 2.

★**Ont., London**—Ruggles Motor Truck Co. let contract building 2 story, 85 x 425 ft. rein.-con. and steel factory, on Dundas St., to J. Hayman & Sons, Wellington St. About $200,000.

Buildings

PROPOSED WORK

N. H., Manchester—Temple—Masonic Society of Manchester plans to build 3 story, brick and steel, on Elm St. About $150,000. W. H. Lewis, Manchester, archt.

Vt., Bellows Falls—Theatre—Perry Theatres, Inc., plan to build 2 story, 45 x 125 ft., concrete and timber, on Canal St. H. E. Mason, Keene, N. H., archt.

Vt., Brattleboro—Housing—Ft. Dummer Mills Corp., plans to build houses for workmen. About $100,000. Architect not selected.

Mass., Fall River—Memorial—City, War Memorial Comn., plans to construct memorial building on North Main St., to contain hall, clubrooms, etc. About $100,000. Architect not selected.

Mass., Holyoke—School and Convent—Perpetual Help Roman Catholic Church plans to build brick and steel, on Chestnut St. About $175,000. J. Marchand, 51 Fountain St., pastor. Architect not selected.

Mass., Linwood—School—French Roman Catholic Church plans to build 2 story, brick. About $100,000. G. Fontaine, pastor. Architect not selected.

Mass., Westfield—Hall—Town Permanent Memorial Comn., Town Hall, plans to construct Memorial Hall. About $100,000. Architect not selected.

Mass., Westfield—School—Blessed Sacrament Roman Catholic Church, 2 Princeton St., plans to build 2 story, brick and steel, on North Elm St. About $100,000. P. J. O'Malley, pastor. Architect not selected.

Mass., Worcester—Hotel—J. D. Leland, archt., 185 Devonshire St., Boston, preparing plans for 6 story, brick, steel and stone. About $1,000,000. Owner's name withheld.

Buildings (Continued)

R. I., Lincoln—Dormitory—Sayles Finishing Corp., Slater Trust Bldg., Pawtucket, plans to build 3 story, brick and steel for employees. About $100,000. J. D. Leland, 185 Devonshire St., Boston, archt.

Conn., Hartford — School—School Comn. plans to build open air school, concrete, brick and steel, at Colts Park. About $175,000. J. W. Packer, 904 Main St., chn. Architect not selected.

Conn., Meriden—Bank and Office—Home Natl. Bank, 16 Colony St., plans to build 3 and 4 story, brick, concrete, marble and steel, on Colony and Church Sts. About $350,000. Hoggson Bros., 485 5th Ave., New York City, archts.

Conn., Stamford—Store—S. S. Kresge Co., Kresge Bldg., Detroit, plans to build 2 story, brick, concrete, steel and stone, on Atlantic St., here. About $100,000. Private plans.

Conn., Storrs (Eagleville P. O.)—College—Connecticut Agricultural College plans to construct building on campus to contain women's dormitory and economic training department. About $335,000. Architect not selected.

Conn., Windsor—High School—School Comn. rejected bids Sept. 7, building 2 story, 88 x 155 ft., on Main St. Project postponed temporarily. Noted Aug. 19.

N. Y., Amsterdam—School—Bd. Educ. receives bids about Feb. 1, building 2 story, 140 x 150 ft., fireproof construction. About $334,000. H. F. Daly, Amsterdam, archt. Noted April 1.

N. Y., New York—Theatre—Carlson & Wiseman, archts. and engrs., 226 Henry St., Brooklyn, preparing plans for 2 story, brick, steel and stone, brick foundation, on Bway. and Hamilton Pl., here. About $500,000. Owner's name withheld.

N. J., Camden—Clubhouse—J. E. Fieldstein, archt., Penfield Bldg., Phila., prepared plans for 3 story, 45 x 100 ft., brick. About $100,000. Owner's name withheld.

Pa., Johnstown — Church — Trinity Lutheran Church, Pine and Hickory Sts., plans to build 2 story, 100 x 150 ft., concrete, brick and stone, on Ash and Golde Sts. About $150,000. F. B. Kinzey, member of building com. Architect not selected.

Pa., Merion—School—Bd. Educ. having plans prepared by G. E. Brumbaugh, archt., Real Estate Trust Bldg., Phila., for 2 story, 35 x 165 ft., brick, in Upper Merion. Cost to exceed $100,000. Noted June 17.

Md., Salisbury — Hospital — Peninsula Genl. Hospital, Locust and South Division Sts., receives bids in spring building brick and tile, concrete foundation. About $150,000. C. L. Reeder, Park Ave. and Saratoga St., engr., Owens & Sisco, 1605 Continental Bldg., archts.

N. C., Asheville—Hotel—J. G. Stikeleather Syndicate, Herts & Robertson, archts. and engrs., 331 Madison Ave., New York City, having sketches made for brick, steel and stone, concrete foundation here. About $1,500,000.

S. C., Ware Shoals—Housing—See "Industrial Works."

Tenn., Memphis—Hotel—Memphis Hotel Co. having sketches made by W. L. Stoddart, engr. and archt., 9 East 40th St., New York City, for brick, steel and stone, concrete foundation. About $2,500,000. G. S. Parker, mgr.

O., Akron—Y. M. C. A., 259 South Main St., having plans prepared by Harpster & Bliss, archts., Nantucket Bldg., for 3 story, 60 x 130 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Summit and Perkins Aves. About $100,000. Mayer & Valentine, Bangor Bldg., Cleveland, engrs.

O., Cincinnati — Exchange — Cincinnati, Suburban & Bell Telephone Co., 235 East 4th St., plans to construct several exchange buildings, rein.-con. and brick, rein.-con. floorings. About $500,000.

O., Cleveland—Commercial and Offices—Crowell & Little Co., 1951 East 57th St., plans to build 10 story, 150 x 170 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 13th St. and Chester Ave. About $1,250,000. Private plans.

O., Cleveland — Restaurant — C. Snyder Restaurant Co., c/o T. Lamb, archt., 1838 East 17th St., having plans prepared remodeling brick, steel and marble, on Euclid Ave., near East 17th St. About $100,000.

O., Cleveland—Sanitarium—J. D. Thellman, 6402 Franklin Ave., plans to build 3 story, rein.-con brick and steel, rein.-con. flooring, brick and concrete foundation, on State and Bean Rds. About $200,000. Architect not selected.

O., Cleveland—School—Bd. Educ. plans to build 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Orange Twp. About $300,000. L. W. Jones, Chagrin Falls, pres.

O., Cleveland—Theatre—S. Gurss, 1261 East 99th St., plans to build 1 story, rein.-con., brick and steel, rein.-con. flooring, brick ad concrete foundation, 3,000 seating capacity, on Euclid Ave. east of East 79th St. About $250,000. Architect not selected.

O., Cleveland—Central Y. M. C. A., c/o C. V. Thomas, educational secy., East 22nd St. and Prospect Ave., plans to build 8 story, rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation, on East 22nd St. and Prospect Ave. About $1,000,000. Hubbell & Bemes, 4500 Euclid Ave., archts.

O., Cleveland Heights (Warrensville P. O.)—Schools—Bd. Educ. Lee Rd., having plans prepared by F. C. Warner, archt., Hippodrome Annex, Cleveland ,for 4 story, 35 x 90 ft. addition, on Coventry Rd., also 2 story, with two wings, 35 x 70 ft. wings, on Lee and Fairfax Rds., rein.-con., brick and steel rein.-con. flooring, concrete and brick foundations. About $200,000 each.

O., Ravenna — Hotel — Warren Hotel Co., c/o F. E. Robinson, 537 Guardian Bldg., Cleveland, plans to build 8 story, 75 x 100 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation here. About $400,000. Mouthrop & Nichols, 5716 Euclid Ave., Cleveland, archts.

O., Westerville—Sunday School—First Methodist Church having plan prepared by W. H. Nicklas, archt., 1900 Euclid Ave., Cleveland, for 2 story, 60 x 113 ft., brick and steel, brick foundation. About $100,000.

Ind., Frankfort—Memorial Hospital—Bd. Comrs. Clinton Co. plans to build memorial hospital. About $125,000. Architect not selected.

Ind., Indianapolis—Nurses Home—City having plans prepared by W. E. Russ, archt., 313 North Pennsylvania St., for 3 story, rein.-con., brick and steel, rein.-con. flooring, on Margaret St. About $400,000.

Ill., Chicago—Film Exchange—M. Friedberg, c/o Fair Dept. Store, plans to build 6 or 8 story, 50 x 145 ft. rein.-con. on Wabash Ave. near 12th St. About $250,000. Architect not announced.

Ill., Chicago—Mercantile—A. S. Alschuler, archt., 28 East Jackson St., soon receives bids building 7 story, 126 x 170 ft. addition to mail order house, rein.-con., brick and terra cotta, rein.-con. flooring, concrete foundation, on Harrison and Paulina St., for Philipsborns, 511 South Paulina St. About $1,300,000.

Ill., Chicago—Office—Republic Life Insurance Co., 108 South LaSalle St., having plans prepared for 6 story, 75 x 130 ft., steel and concrete, concrete foundation, on Washington and Sheldon St. About $250,000.

Ill., Ravinia—Club—Northmoor Country Club, care of A. S. Alschuler, archt., 28 East Jackson St., Chicago, having plans prepared for 2 story, 51 x 260 ft., rein.-con. and stucco, rein.-con. flooring, concrete foundation. About $150,000.

Wis., Delafield — Chapel — Victor Memorial Bldg. Assn. will let general contract about December or January building 1 story, 50 x 100 ft., stone memorial chapel. About $200,000. Foundation being done by day labor. R. F. Farrand, secy. Magney & Tusler, 450 Builders Exch., Minneapolis, Minn., archts.

Wis., Kenosha — Theatre — J. G. Rhode, 164 Market St., having plans prepared by C. W. and G. L. Rappe, archts., 190 North State St., Chicago, for 2 story, 95 x 165 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on Main St. About $500,000.

Wis., Kohler—Office—The Kohler Co. plans to build 3 story, 60 x 250 ft. brick, steel and rein.-con., on Main St. About $250,000. W. J. Kohler, pres. Architect not selected.

Wis., Marinette—Church—St. James English Lutheran Church, 1402 Main St., had plans prepared by Brust & Philipp; archts., Bway. Bldg., Milwaukee, for 40 x 100 ft., brick and steel, concrete flooring and foundation. About $100,000. Noted May 13.

Wis., Merrill—Grade School—Bd. Edu soon receives bids building 31 x 69 ft. 60 x 96 ft., concrete and brick, rein.-c flooring, concrete foundation. About $1 000. Parkinson & Dockendorff, Link Bldg., La Crosse, archts.

Wis., Merrill — High School — Bd. Edu soon receives bids building 2 story, 60 x 2 ft., concrete and brick addition, rein.-co flooring, concrete foundation. About $200 000. Parkinson & Dockendorff, Link Bldg., La Crosse, archts.

Wis., Mifflin—School—City soon receive bids building 2 story, 47 x 79 ft., rein.-con brick and stone, brick foundation. About $100,000. Aasby & Schulze, North Jackson Blvd., Chicago, archts.

Wis., Milton—High School—City plans to build 4 story, rein.-con. and brick. About $200,000.

Wis., Shorewood (Milwaukee P. O.)—High School—School Bd. plans to build brick and concrete addition, rein.-con. flooring, concrete foundation. About $100,000. J. E. Williams, 172 Wisconsin St., clk. Architect not selected.

Wis., Wauwatosa—Orphanage—Lutheran Kinderheim, West Milwaukee Ave., plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on West Milwaukee Ave. About $100,000. Architect and engineer not selected.

Wis., Webster—High School—Bd. Educ. having plans prepared by E. J. Hancock, archt., Lyric Bldg., Eau Claire, for high school. About $100,000.

Ia., Buckcreek—School—Bd. Educ. having plans prepared by Netcott & Netcott, archts., Waterloo, for 2 story, 50 x 76 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $100,000.

Ia., Iowa City — Memorial — Iowa City Alumni Society plans to build 4 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $1,000,000. Architect not selected.

Ia., Waterloo—Hospital—Allen Memorial Hospital Assn. plans to build hospital. About $300,000. F. J. Eighmey, chn. Architect and engineer not selected.

Minn., Coon Rapids (Anoka P. O.)—School—Consolidated School Dist. plans to build grade and high school. About $100,000. Architect not selected.

Minn., St. Cloud — Church — St. Marys Church, c/o Bishop Busch, plans to build church on 8th St. About $225,000. Architect not selected.

Minn., Winona — College — St. Theresa Roman Catholic College plans to construct 2 additional buildings on campus. About $800,000. M. A. Malloy, dean.

Kan., Eldorado—Auditorium—City election Nov. 2 to vote on $100,000 bonds to build auditorium. Architect and engineer not selected.

Kan., Herndon — Monastery — Capuchin Fathers having plans prepared by Kanzor Bros., archts., Pittsburgh, Pa., for 2 story, 41 x 80 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $110,000.

Kan., Kansas City—Court House—Wyandotte Co. election Nov. 2, to vote on $1,000,000 bonds to build court house. W. Beggs, clk.

Kan., Leavenworth—Shrine Temple—Abdallah Temple Bldg. Assn. plans to build temple. About $150,000. Architect and engineer not selected.

Kan., Winchester — School — City voted $100,000 bonds to build brick school. Architect and engineer not selected.

Neb., Chadron—School—Bd. Educ. has plans prepared by E. Davis, archt. Lincoln, for 2 story, 80 x 160 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $225,000. Noted Jan. 22.

S. D., Aberdeen—Y. M. C. A., c/o R. C. Bell, secy., having plans prepared by G. F. Fossum, archt., Aberdeen, for 3 story, 48 x 142 ft. (with 42 x 78 ft. ell), rein.-con., brick and stone. About $225,000.

S. D. Rapid City—Court House—Pennington Co. having plans prepared by W. E. Hulse & Co., archt., 320 Grain Exch., Sioux City, Ia., for courthouse. Election in November to vote on $500,000 bonds for project. Noted Sept. 9.

N. D., Fargo—Club—Elks Lodge 260 plans to build 3 story, rein.-con. and brick on 8th St. and 1st Ave. N. About $250,000. Architect not announced.

Buildings (Continued)

N. D., Fargo—Home—North Dakota Children's Home Society plans campaign to raise $150,000 to construct 3 story, rein.-con. and brick, including hospital, administration building, etc. Architect not selected.

N. D., Valley City—Memorial—Barnes Co. plans election in November to vote on $200,000 bonds to construct soldier memorial building. Architect not selected.

Mo., Bogard — Memorial — City having plans prepared by F. E. Scott, archt., Carrollton, for 3 story, 60 x 80 ft., semi-fireproof. About $110,000.

Mo., Liberty—Church—Baptist Church rejected bids received Sept. 23, building 2 story, irregular shaped, concrete, brick and steel, rein.-con. flooring, concrete foundation. About $150,000. Work will be readvertised next spring. J. H. Felt & Co., Grand Ave. Temple, Kansas City, Mo., archts. Noted Sept. 9.

Mo., St. Louis—Hospital—Jewish Hospital, 5415 Delmar Blvd., plans to build hospital on Kingshighway and Forest Park Blvd. About $1,500,000. A. Waldheim, 4522 Lindell Ave., pres. Hospital Bd. Architect not selected.

Mo., Springfield—High Schools—Bd. Educ. having plans prepared by Hawkins & Hoener, archts., McDaniel Bldg., for three 2 story, 63 x 175 ft. schools, each to have one 56 x 82 ft. wing, rein.-con., brick and stone. About $175,000 each. Noted July 1.

Ark., Little Rock—Church—Winfield Memorial Methodist Church plans to build church on 16th and Louisiana Sts. About $250,000. W. B. Hogg, pastor.

Okla., Tulsa—Hotel—Business & Professional Women's Club plans to build hotel. About $250,000. B. Skillen, pres. Architect and engineer not selected.

Col., Denver — Hospital — Presbyterian Hospital Assn. receives bids about Jan. 1, building first unit of hospital, on Grasshopper Hill. About $500,000. Fisher & Fisher, Century Bldg., archts.

Col., Ft. Collins — Clubhouse — Colorado Agricultural College receives bids latter part of October, building 2 story, 108 x 160 ft., concrete, brick, stone and steel, rein.-con. flooring, concrte foundation. About $125,000. E. Groves, 222 Foster Bldg., Denver, archt.

Que., Montreal—School—Governors of the Catholic High School receive bids in October building 50 x 110 ft. brick, steel and stone, concrete foundation, on Durocher St. About $200,000.

Ont., St. Catharines—School—Bd. Educ. plans to build school on Catherine and Maple Sts. About $250,000. A. H. Drapnell, pres.

Ont., Windsor—School—School Bd. plans to build 2 story, 180 x 200 ft. brick. About $400,000.

Man., Winnipeg—Music Hall—City Council having plans prepared by city architect for civic music hall, 5,000 seating capacity. About $200,000.

BIDS DESIRED

Mass., Arlington (Boston P. O.—Church—Perry & McNaughton, archts., 19 Congress St., Boston, receiving bids building 1 story, 42 x 100 ft., brick and stone, concrete foundation, here, for Calvary Methodist Episcopal Church.

Mass., New Bedford—Schools—Until Oct. 13, by Bd. Educ. building 2 story, 153 x 270 ft., on Mt. Pleasant St., and 2 story, 170 x 250 ft. on Rochambeau St., brick, concrete and steel, rein.-con. flooring, concrete foundations. LaBrode & Bullard, 255 Union St., archts. Noted May 20.

Mass., Malden (Boston P.O.)—Business—W. T. Littlefield, archt., 9 Hamilton Pl., Boston, receiving bids building 2 story, 60 x 130 ft., brick, stone and concrete, rein.-con. flooring, concrete foundation, on Pleasant St., for A. B. Morgan, 175 Maple St. About $100,000. Noted Sept. 16.

Mass., Peabody—School—Until Oct. 1, by city, constructing 2 story, 100 x 100 ft. brick, concrete and steel, rein.-con. flooring, concrete foundation, on Washington St. including assembly hall. About $100,000. McLoughlin & Burr, 88 Tremont St., Boston, archts.

N. Y., Brooklyn—Dormitory—Until Oct. 8, by Dept. Pub. Welfare, Municpal Bldg., New York City, furnishing labor and material for completing general contract, electrical and heating work, domestic hot water generator, plumbing work and gas fitting for dormitory at Kings Co. Hospital, here.

Pa., Phila.—Convent—Until Oct. 4, by J. J. Kennedy, archt., Ford Bldg., Wilmington, Del., constructing 3 story, 32 x 70 ft., stone, on Chestnut Hill, here, for Our Mother of Consolation, c/o architect. About $100,000.

D. C., Washington—Church—F. V. Murphy, archt., 1413 H St., receiving bids building 1 story, stone, rein.-con. flooring, concrete foundation, on 15th St. and Park Pl., for Sacred Heart Roman Catholic Church. About $1,000,000. Noted Aug. 12.

O., Ashtabula—Schools—Until Oct. 5, by Bd. Educ., building 2 story, 6 room grade school, also 3 story, 8 room high school, rein.-con., brick and steel, rein.-con. flooring, concrete foundations. About $150,000 and $200,000 respectively. F. C. Warner, Hippodrome Annex Bldg., Cleveland, archt.

O., Canton—Gymnasium and Auditorium—Until Oct. 15, by Bd. Educ. building 2 story, 75 x 90 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. About $150,000. A. Lane, clk. Thayer & Johnson, 5716 Euclid Ave., Cleveland, archt.

O., Carey—School—Until Oct. 6, by Bd. Educ. building 2 story, 97 x 100 ft., brick and concrete. About $200,000. McLaughlin & Hulsken, Savings Bldg., Lima, archts.

O., Cleveland—Bathhouse—Until Oct. 3, by city, building 2 story, 50 x 96 ft., rein.-con., brick and steel, rein.-con. flooring brick and concrete foundation, on West 14th St. and Starkweather Ave. About $160,000. J. H. MacDowell, City Hall, archt. Noted July 29.

Wis., Elk Mound—School—Until Oct. 7, by Bd. Educ., Dist. 3, building 2 story, 60 x 90 ft., rein.-con. and brick. About $100,000. J. G. Brackett, clk. E. J. Hancock, Lyric Bldg., Eau Claire, archt.

Wis., Janesville—Theatre—Until Oct. 4, by M. Tullgren & Son, archts. and engrs., 425 East Water St., Milwaukee, building 1 story, 80 x 198 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on West Milwaukee St., here, for T. Saxe, 160 5th St., Milwaukee. About $175,000. Noted Sept. 2.

Wis., La Crosse — Grade School — Until Oct. 8, by Bd. Pub. Wks., building Hogan School, 2 story, 64 x 110 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, for Bd. Educ. About $100,000. O. Merman, Linker Bldg., archt. Noted Aug. 19.

Minn., Duluth—School—F. Standuhar, archt., Manhattan Bldg., receiving bids building 2 story, 110 x 150 ft., brick steel and concrete, rein.-con. flooring, concrete foundation, on 28th Ave., for Cathedral Church. About $250,000. J. T. McNichols, 211 West 4th St., pastor.

Minn., Minneapolis—Chemistry Until Oct. 6, by State Bd. Control, St. Paul, building 3 story, rein.-con., brick steel and stone, on State University campus here. About $200,000.

S. D., Presho—School—Until Oct. 15 by Bd. Educ. building 3 story, 56 x 86 ft. rein.-con. brick and stone. About $100,000. F. C. Wederath, pres. W. E. Hulse & Co., 320 Grain Exchange, Sioux City, Ia., archts. Noted July 1.

S. D., Rapid City—School—Until Oct. 7 by President of School of Mines constructing 3 story, rein.-con., brick and tile engineering building, for Bd. Regents. About $100,000. Both lump sum and cost plus proposals will be considered. I. D. Aldrich, secy. F. H. Ellerbe, 692 Endicott Bldg., St. Paul, Minn., archt.

Mo., Marysville—High School—Until Oct. 12, by Bd. Educ. building 2 story, rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation. About $100,000. H. D. Pampel, 404 Finance Bldg., Kansas City, Mo., archt.

Okla., Enid—Temple—Until Nov. 15, by Enid Masonic Temple Assn., 202½ West Main St., furnishing labor and material building 4 story, 100 x 150 ft., brick, rein.-con. and steel. About $325,000. R. W. Shaw, Beck Bldg., archt.

Man., Portage La Prairie—School—Until Oct. 4, by Minister of Pub. Wks., Parliament Bldgs., Winnipeg, building 1 story, 130 x 134 ft., rein.-con., brick and steel rein.-con. flooring, concrete foundation, here. About $100,000. J. N. Semmens, 509 Great West Permanent Bldg., Winnipeg, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Lewiston**—Housing—Androscoggin Mills let contract building 1 and 2 story, houses for workmen, brick and frame, to H. A. Brown, Powder House Blvd., Somerville, Mass. About $100,000.

★**Vt., Northfield**—Cross Bros. Garage Co. let contract building 1 and 2 story, 60 x 150 ft. brick and timber garage, on Union St., to R. Robidou, Northfield.

★**Mass., Lowell** — Hospital — St. Johns Hospital, 14 Bartlett St., let contract altering brick and steel hospital, to J. J. O'Connor, 298 Riverside St. Work includes tearing out entire interior, putting in new rein.-con. flooring, roof, etc. About $100,000.

★**Mass., North Beverly** (Beverly P. O.)—School—School Comm. let contract building 2 story, 100 x 100 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Conant St., to G. H. Hurd, 12 Giddings Ave., Beverly. $126,946. Noted Aug. 26.

★**Mass., South Boston** (Boston P. O.)—Headhouse—Park and Recreation Dept., let contract building 1 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at Marine Park, to J. Bowen Co., 184 Dudley St., Roxbury. About $133,000. Noted Sept. 23.

★**R. I., Providence** — Hotel — Providence-Biltmore Hotel Co., 217 Hospital Trust Bldg., let contract building 17-19 story, brick, steel and rein.-con., rein.-con. flooring, concrete foundation, on Dorrance, Eddy and Washington Sts., to Thompson-Starrett Co., 217 Hospital Trust Bldg. About $3,000,000. Noted Mar. 4.

★**Conn., Bridgeport**—Club—B. P. O. E. No. 36, 360 State St., let contract building 4 story, 53 x 61 ft. brick, concrete and steel addition, rein.-con. flooring, concrete foundation, on State St., to M. Noonan, 171 6th St., Bridgeport. About $100,000. Noted July 29.

★**Conn., Bridgeport**—Theatre—P. Dowe, 775 Fairfield Ave., let contract building 1 story, 80 x 150 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on State St., to Marsh Bros. Co., 50 Buckingham St. About $200,000. Noted Sept. 23.

★**Conn., Stamford**—Club—B. P. O. E. No. 899, West Park Pl., let contract building 1 story, brick and concrete addition, rein.-con. flooring, concrete foundation, to Vuono Constr. Co., Bank Bldg. About $100,000.

★**Conn., Versailles** — Housing—Versailles Sanitary Fibre Co. let contract building workmen's houses, 2 story, timber, concrete foundations, near plant, to H. W. Lines Co., 134 State St., Meriden. About $100,000.

★**Conn., Waterbury**—Hospital—City let contract building Isolation Hospital, 2 story, brick, concrete and steel, rein.-con. flooring, concrete foundation, on Watertown Ave., to Tracy Bros. Co., 52 Benedict St., $144,642. Noted Sept. 23.

★**N. Y., Coney Island** (Brooklyn P. O.)—Theatre and Bath—W. Fox Associates, 715 Bway., New York City, let contract building rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 20 Surf Ave., to F. T. Ley, 19 West 44th St., New York City. About $325,000.

★**N. Y., Hawthorne**—School—H. S. Carter, 66 West 55th St., New York City, let contract building 3 story, 100 x 125 ft., brick and stone, brick foundation, here, to H. Johnson, Chappaqua. About $100,000. Noted June 3.

★**N. Y., New York**—Stores, Library and Office—Clinton Hall Assn., 13-25 Astor Pl., let contract altering brick, steel and stone, to Hegeman-Harris, 185 Madison Ave. About $265,000. Alexander Hamilton Institute, lessee.

★**N. Y., Peekskill**—School—St. Marys Community let contract building brick, steel and stone, brick foundation, to E. J. Walsh, Maple Ave. About $325,000. Noted Feb. 12.

★**Pa., Collegeville**—Library—Ursinus College let contract building 2 story, 85 x 105 ft. stone, to F. L. Hoover & Son, 1023 Cherry St., Phila. Noted July 29.

★**Pa., Nanty Glo**—Church—St. Marys Greek Catholic Church let contract building 2 story, 90 x 100 ft., concrete, brick and stone to Overdorff & Kinsey, 548 Horner St., Jonnstown. About $160,000

Buildings (Continued)

★**N. C., Salisbury**—Bank—First Natl. Bank will construct brick and stone bank building, brick foundation. About $100,000. Work will be done by day labor. Noted June 3.

★**S. C., Graniteville**—High School—Graniteville Mfg. Co. let contract building Leavelle McCampbell High School, 3 story, 68 x 175 ft. concrete, brick and tile, to E. A. Fonda, 120½ West Washington St., Greenville. About $150,000.

★**Ala., Birmingham** — Theatre — Loews Enterprises, 1492 Bway., New York City, will build brick, steel and stone, here. About $600,000. Work will be done by day labor under supervision of F. W. Lamb, archt. and engr., 644 8th Ave., New York City.

★**O., Hoytville**—School—Bd. Educ. let contract building 2 story, 80 x 135 ft., fireproof, in Jackson Twp., to J. I. Barnes, Logansport, Ind. About $115,000. Noted Sept. 9.

★**O., Springfield**—School—Bd. Educ. let contract building 2 story, 110 x 128 ft., brick and concrete, on Maiden Lane, to P. R. Yeazel, 2233 Columbus Ave., $241,745. Noted Sept. 2.

★**O., Urban**—School—Bd. Educ. let contract building 2 story, 100 x 106 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, to J. H. and C. P. Anderson, Urbana, $122,322.

★**Ind., Ft. Wayne**—Clinic—H. A. Duemling, 301 West Creighton Ave., let contract building 3 story, 57 x 83 ft., brick and stone, on South Wayne St., to H. Wehrenberg, 806 Madison St. About $100,000.

★**Wis., Wankesha**—Bank and Office—Natl. Exch. Bank, 311 West Main St., let contract building 2 story, 65 x 70 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, to Bonnet & Co., 403 Grand Ave., Milwaukee. About $100,000. Noted July 8.

Minn., Minneapolis—School — Bd. Educ. received bids building 2 story, 58 x 158 ft. rein.-con., brick and stone addition to Clinton Grade School, (a) general contract (b) heating and ventilating, from Standard Constr. Co., 1101 Plymouth Bldg., (a) $155,600; S. M. Klarquist & Son, 747 Security Bldg., (a) $169,984; J. Peterson, 3152 10th Ave. S., (a) $173,000; Bjorkman Bros., 712 South 10th St., (b) $41,399; Conner Bros. Plumbing & Heating Co., 711 6th Ave., N., (b) $42,819; Western Heating Co., 13 East 36th St., (b) $43,148.

S. D., Mitchell—Auditorium—City received bids building 1 story (70 ft. high), 182 x 300 ft. rein.-con. and brick, on North Main St. and 6th Ave., from M. A. Floyd Co., 535 Andrus Bldg., Minneapolis, Minn., $423,000 (cost including mechanical equipment). $423,000; Martin Constr. Co., 82 West Washington St., Chicago, (cost plus outside mechanical bid) $454,000. G. L. Rapp, archt., 190 North State St., Chicago, will revise specifications and above bidders will refigure to reduce cost. Noted Aug. 5.

★**S. D., Sioux Falls** — Dormitory — Diocesan College, c/o Bishop O. Gorman, let general contract building 3 story, 40 x 450 ft., rein.-con. and brick, to Carson & Smitkey, Sioux Falls. Cost to exceed $100,000.

★**Mo., Kansas City**—Office—See "Industrial Works."

★**Okla., Miami**—School—State Bd. Pub. Affairs, Oklahoma, let contract building 3 story, 60 x 130 ft. addition to school of mines, here, concrete and brick, rein.-con. flooring, concrete foundation, to Kuehke-Schaffer Constr. Co., Oklahoma. About $100,000. Noted June 3.

Col., Denver—High School—City School Bd. and Denver Co. received (general contract) bids Sept. 15, building 2 story, 125 x 350 ft., rein.-con., brick and steel, concrete foundation, on block bounded by South Washington and South Pearl Sts., Beard and Cedar Aves., from P. J. Sullivan & Co., Denver, $416,000; Seerie & Varnum, Interstate Trust Bldg., $417,000; plumbing and heating work, from J. F. Van Daniker, 730 19th St., $75,000; Johnson-Davis Plumbing & Heating Co., Denver, $90,000. Noted Aug. 5.

Col., Denver—High School—City School Bd. and Denver Co. received (general contract) bids Sept 15, building Morey Jr. High School, 2 story, 158 x 340 ft., rein.-con., brick and steel, concrete foundation, bounded by 13th and 14th Aves., Emerson and Clarkson Sts., from J. R. McDonald, 2205 Forest St., $427,342; A. Olson, Bank Blk., $431,650; C. J. Dunn, 1328 Inca St., $432,862; heating work, from McCarty-Johnson Heating Co., 1440 Curtis St., $89,031; plumbing work, from Johnson-Davis Plumbing Co., Denver, $38,438. Noted Aug. 12.

★**Ont., London**—Hospital—Daughters of the Empire let contract building 3 story, 100 x 280 ft. brick and stone on Ottaway Ave., to J. Putherbough, 272 Regent St. About $250,000. Noted Sept. 2.

★**Ont., London**—Hospital — Hospital Comn., Ottawa, let contract building 2 story, 50 x 400 ft., brick, on Westminster St., here, to Kingston Constr. Co., 186 Brook St., Kingston. About 200,000.

BRIDGE AND EMBANKMENT—PROVIDENCE, R. I.

Bids were received by Water Supply Board, Sept. 15, for constructing Daniels Pike Bridge and embankment around Scituate Reservoir, Contr. 13, from (A) Thomas F. McGovern, 95 Main St., Southbridge, Mass.; (B) W. V. Polleys & Co., 217 Turk Head Bldg.; (C) McKinnon Constr. Co., 70 Water St., East Providence; (D) Collins Constr. Co., Andover, Mass., $58,450; (E) Briggs Eng. & Constr. Co., 75 Westminster St., $67,355; (F) Hynes-Haley, 15 Westminster St., $70,752; (G) Bowerman Bros., 230 Industrial Trust Bldg., $71,710; (H) W. H. Hamlyn & Son, Inc., 35 Greenwich St., $73,327; New England Foundation Co., Inc., 70 Kilby St., Boston, $74,468; John A. Lawson, Pontiac, $85,920. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
2,000 cu.yd. excavation	$5.50	$4.50	$3.50
5,000 cu.yd. borrow	1.40	1.75	2.70
1,000 cu.yd. compacting portions of embankment	.80	1.00	3.45
700 cu.yd. concrete in foundations, walls and abutments	19.00	18.00	13.80
180 cu.yd. concrete in bridge	20.00	40.00	13.80
1,300 bbl. Portland cement	5.75	6.00	10.00
20 cu.yd. dry rubble paving	15.00	15.00	6.90
100 cu.yd. riprap	3.50	8.00	5.33
850 lin.ft. stone guard walls	4.00	6.00	5.20
25,000 lb. steel and iron	.075	.10	.12
Safeguarding traffic and removing structures and trees (lump sum)	2,500.00	1,000.00	500.00
Extended totals	$51,600	$56,050	$58,105

HIGHWAY—MONTANA

Bids were received by State Highway Comn., Helena, for constructing 17.001 mi. Yellowstone Trail, Fallon Co., from (A) Schleuter Bros., Carterville; (B) Stevens Bros., St. Paul, Minn.; (C) J. E. Hilton, Sheridan, Wyo., (D) Chinook Eng. & Contg. Co., Chinook. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
72,348 cu.yd. common excavation	$0.50	$0.50	$0.65
39,285 sta.yd. overhaul	.04	.04	.04
17,786 cu.yd. type "A" scoria surfacing	3.25	3.30	3.50
676 lin.ft. 18-in. corrugated iron pipe	3.00	3.00	4.00
418 lin.ft. 24-in. corrugated iron pipe	5.75	3.80	5.00
71.73 cu.yd. Class "A" concrete	35.00	40.00	55.00
117.44 cu.yd. Class "B" concrete	33.00	40.00	55.00
11,208 lb. reinforcing steel	.12	.12	.13
9.11 M.ft.b.m. lumber	100.00	100.00	25.00
384 lin.ft. piling	1.50	2.00	2.00
10% for engineering and contingencies	$10,920	$11,065	$12,941
Extended totals	120,119	121,711	142,352

Federal Government Work

BIDS DESIRED

N. Y., Buffalo—Remodeling and Repairing Custom House and Post Office—Until Oct. 26, by Treas. Dept., Wash., D. C., remodeling and repairing, here. J. A. Wetmore, acting superv. archt.; advertised in this issue.

N. Y., Tompkinsville—Steel Buoys—Until Oct. 14, by Superintendent of Lighthouses, furnishing 83 steel buoys of various types and sizes, some with bells and whistles, some with superimposed skeleton steel towers and majority with bottom counterweight iron castings.

N. Y., West Point—Hospital—Until Oct. 25, at office of Quartermaster, building cadet hospital.

D. C., Wash.—Foundations and Coping or Reflecting Pool—Until Oct. 23, by Col. Ridley, Pub. Bldgs. & Ground, building rein.-con., concrete or composition pile foundations and coping for reflecting pool, in front of Lincoln Memorial. About $85,000.

D. C., Wash.—Office and Laboratory—Spec. 4301—Until Oct. 15, by Bureau Yards & Docks, Navy Dept., building at Naval Experimental and Research Laboratory, at Bellevue, here. C. W. Park, ch.; advertised in this issue.

Va., Hampton Roads—Seaplane Runway—Spec. 4267—Until Oct. 13, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building at Naval Operating Base (air station), here; $10 deposit required for plan and spec. Noted Sept. 16.

La., New Orleans—Mine Storage Building—Spec. 4253—Until Oct. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building mine storage building and shell house at Naval Sta., here. C. W. Parks, ch.; advertised in this issue.

Col., Ft. Lyon—Concrete Pavement, etc. —Spec. 4257—Until Oct. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building concrete pavement and relocking pipe line, here; $10 deposit required for plans and spec.

Arizona—Road Work—Until Oct. 4, by U. S. Dept. Agriculture, Bureau Pub. Rds., 218 Luna Stickler Bldg., Albuquerque, N. M., building 10.02 mi. Salt River-Pleasant Valley, Sect. 2-C Project, 20 ft. wide, located within Tonto Natl. Forest, Gila Co., involving 25 acres clearing and grubbing, 59,087 cu.yd. common earth and 4,767 cu. yd. rock excav., etc. Work to be completed within 200 days.

Cal., San Diego—Elevators—Spec. 4285—Until Oct. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., furnishing and installing 6 electric elevators in fleet supply storehouse, here.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Pa., Phila.—Concrete Foundations for Turrets and Crane Track—Spec. 4299—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building at Navy Yard, here, from Arundle Corp., 409 Finance Bldg., $214,000, (complete work Mar. 15); Hyde & Baxter, 1311 G St., N. W., Wash., D. C., $248,477, (170 days). Noted Sept. 16.

D. C., Wash.—Electric Traveling Cranes—Spec. 4239—Bureau Yards & Docks, Navy Dept., received bids Sept. 22, delivering 40 ton electric traveling bridge cranes for shipbuilding slips at Navy Yards, at Norfolk, Va., Phila., Pa., and New York, N. Y., (1) work complete, from Niles, Bement, Pond, 111 Bway., New York City, (1a) $249,800 (180 days), (3a) $20,000 (180 days), (4a) $2,500 (270 days), (5a) $5,000 (360 days), (6a) $15 and expenses; Cleveland Crane & Eng. Co., Wickliffe, O., (1a) $249,950 (180 days), (2a) $249,950, (3a) $700, (6a) $15; Heyl & Patterson, 50 Water St., Pittsburgh, Pa., (2a) $261,150 (220 days), (3a) $15,450, (alternated bid, $41,150), (6a) $20 per day. Noted Sept. 16.

Va., Quantico—Water Supply Main—Spec. 4200—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 22, building at Marine Barracks, here, (1) work complete, from Wingo & Deaner, 902 Park Ave., Richmond, (1) $77,181 (100 days), (2) $46,415, (3) $54,501, (4a) $5.06, (4b) $5.35, (4c) $5.80, (5) $2.50, (6) $10.

Federal Government Work (Continued)

$90; B. Pizzamento, Hyattsville, Md., (1) $7,556 (310 days), (2) $46,444, (3) $53,-56, (4a) $5.70, (4b) $6, (4c) $6.40; Newport Contg. & Eng. Co., Silsby Bldg., Newport News, (1) $82,889 (210 days), (2) $45,981, (3) $53,588, (4a) $5.40, (4b) $5.80, (4c) $6.04, (5) $2, (6) $3, (7) $80. Noted Sept. 16.

Ga., Columbus—Buildings—Major Moeller, War Trade Bd. Bldg., Constr. Div., War Dept., Wash., D. C., received bids Sept. 27, constructing 197 buildings at Camp Bennings, here, (1) work complete, from Selden-Breck Constr. Co., Fullerton Bldg., St. Louis, Mo., (1) $823,441, (2) $17,909, (3) $80,407, (4a) $1.25, (4b) $40, (4c) $60 (200 days); Stang & Mitchell, Phila., Pa., (1) $809,000, (2) $16,000, (3) $8,000, (4a) $3, (4b) $40, (4c) $50 (400 days); Northeastern Constr. Co., 101 Park Ave., New York City, (1) $935,000, (2) $20,000, (3) $45,000, (4a) $2, (4b) $30, (4c) $32 (300 days). Noted Sept. 23.

★**La., New Orleans**—Levee Work—Fourth Mississippi River Dist. let contract for following levee work, Atchafalaya Levee Dist. (New Texas Levee), to O. O. Ogden, Roumain Bldg., Baton Rouge, 148,-000; Barataria Levee Dist., Augusta Levee, to P. M. Adenna, City Price, $5,400; Lake Borgne Levee Dist., St. Thomas Church Levee, to C. Henritzy, New Orleans, $13,-419; Atchafalaya Levee Dist., Solitude Levee, also Ponchartrain Levee Dist., Cornland Levee, to Lower Coast Constr. Co., 122 Chartes St., $86,700 and $80,670 respectively.

★**La., New Orleans**—Rock—Mississippi River Comn., 4th Dist., let contract furnishing 10,000 tons rock, to Little Rock Granite Co., Little Rock, Ark., $37,000; 10,-000 tons, to Big Rock Stone & Constr. Co., 111 Center St., Little Rock, Ark., $13,500; 6,000 tons, to L. F. Alexander, Audubon Bldg., $40,020.

★**Tenn., Memphis**—Return Flue Boilers and Steel Hull—Mississippi River Comn., 1st and 2nd Dists., let contract furnishing 5 return flue boilers for U. S. S. Chisca, to C. Hegewald Co., State and Railroad Sts., New Albany, Ind., $14,529; steel hull for same, to Dubuque Boat & Boiler Wks., 3rd St. Extension, Dubuque, Ia., $54,000. Noted Aug. 5.

★**Tenn., Nashville**—Barges—U. S. Dist. Engineer, 4th and 1st Natl. Bank Bldg., let contract building 4 steel barges, C. Ward Eng. Wks., South Side, Charleston, W. Va., $66,000. Noted Sept. 23.

★**Minnesota**—Road Work—Bureau Pub. Rds., Post Office Bldg., Minneapolis, let contract building 15 mi. Natl. Forest Rd., Project in Minnesota Natl. Forest, Cass Co., to Latvalla, Lake & Lidberg, Grand Rapids, $143,157.

★**Ore., Marshfield**—Double Quarters and Post Office—Spec. 4289—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building double quarters for operators at Naval Radio Station, and remodeling post office, here to P. M. Tully, North Bend, $8,395 (90 days). Noted Sept. 23.

★**Wash., Puget Sound**—Double Radio Quarters—Spec. 4290—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Naval Radio Sta., here, to W. T. Butler, 527 Central Bldg., Seattle, $6,660 (98 days). Noted Sept. 23.

★**Wash., Seattle**—Balloon Stations—U. S. Engineers office let contract constructing steel and frame balloon stations, 150 ft. long, 50 ft. high, with 3 service buildings, to A. W. Quist & Co., Hoge Bldg. About $200,000.

★**Alaska-Ketchikan** — Dormitory — Spec 4279—Pub. Wks., Puget Sound, Wash., let contract building at Naval Radio Sta., here, to Brown & Soles, Ketchikan, $10,-510 (75 days). Noted Sept. 23.

Miscellaneous

PROPOSED WORK

Heating and Lighting System—Jamestown, N. Y.—Bd. Park & City Planning Commrs. having plans prepared for repairing, heating and lighting system at Fenton Homestead. About $25,000. I. S. Burns, secy.

Bulkhead and Jetties—New York, N. Y.—Dept. Parks, Municipal Bldg., rejected bids Sept. 9, repairing bulkheads and jetties at Jacob Riis Park, Neponsit, Queens Boro. Work will be readvertised. Noted Sept. 2.

Docks, etc.—Newark, N. J.—Dept. Streets & Pub. Impvts., City Hall, plans to build docks, etc., along Newark Bay. About $104,100.

Cast Iron Water Pipe—Kenosha, Wis.—Common Council appropriated $15,000 to purchase c. i. water pipe. B. C. Brennan, city engr.

Ornamental Lighting System—Roundup, Mont.—See "Streets and Roads."

Culverts—St. Joseph, Mo.—State Highway Dept., St. Joseph, rejected bid received Aug. 20, building culverts on 20.02 mi. Sect. B., St. Joseph-Atchison Rd., Federal Aid Project 49, Buchanan Co. About $29,657. Noted Sept. 9.

Park Improvement—Belton, Tex.—City voted $25,000 bonds to improve parks.

Elevator—Oklahoma, Okla.—Oklahoma Terminal Elevator Co. plans to build 62 x 150 ft., elevator, 125,000 bu. capacity, rein.-con. and steel, rein.-con. flooring. About $600,000. P. L. Jackson, secy. Architect not selected.

Transmission Line—Sand Springs, Okla.—Sand Springs Light, Heat & Power Co. plans to build 10 mi. high voltage transmission line, on south side of Arkansas River, from power house here to Tulsa. Address C. Page, pres.

Dock—Vancouver, B. C.—Dock Comn. plans to build platform dock, 465 ft. long, 50 ft. wide, with railroad trestle to parallel dock. About $64,280.

BIDS DESIRED

Stone Crusher—Stone Crusher—Avon, N. Y.—Genessee Valley Sand & Gravel Co. receiving bids for stone crusher (any make). T. Flynn, purch. agent.

Heating Apparatus, etc.—Brooklyn, N. Y.—Until Oct. 4, by C. B. J. Snyder, supt. School Bldgs., Bd. Educ., Municipal Bldg., New oYrk City, installing heating and ventilating apparatus, also temperature regulation apparatus, etc., for additions to and alterations in P. S. 73, McDougal St. and Rockaway Ave., and P. S. 144, Howard Ave. between Prospect Pl. and St. Marks Ave., here; repairing and altering heating and ventilating apparatus, etc., in P. S. 5, 94, 104, 131, 164 and 168, Bay Ridge and Manual Training High Schools, here, and in P. S. 84, Queens Boro.

Limestone Dust—New York, N. Y.—Until Oct. 7, by H. H. Curran, pres. Manhattan Boro., furnishing and delivering 2,000 ton limestone dust.

Pavilions—Randalls Island (New York, P. O.), N. Y.—Until Oct. 7, by Dept. Pub. Welfare, Municipal Bldg., New York City, furnishing labor and material altering and repairing Tredgold and Nightingale Pavilions, here.

Stone Crusher—Rochester, N. Y.—C. C. Peck, 721 E & B. Bldg., receiving bids for 1 medium-size rotary stone crusher.

Steam Shovel — Waco, Tex. — Harrison constr. Co., 1312 Amicable Life Bldg., receiving bids for ¾ or ⅞ yd. steam shovel.

Dry Dock—Esquimalt, B. C.—Until Dec. 9, by Dept. Pub. Wks., Ottawa, Ont., building concrete dry dock, 1,150 ft. long from outer caisson stop to head, width of entrance 125 ft. on sill and 135 ft. at coping head. About $2,500,000. E. Lafleur, Dept. Pub. Wks., eng.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Bulkhead—South Boston, (Boston P.O.), Mass.**—Boston Molasses Co., 175 Milk St., Boston, let contract building rein.-con. bulkhead on on First St. and Farragut Rd., to Aberthaw Constr. Co., 27 School St., Boston. About $50,000.

★**Coal Pocket—Bridgeport, Conn.**—Summerill Tube Co. will build coal siding pockets, 200 ton capacity, concrete and steel.

★**Shipyard Additions — Essex, Conn.** — Dauntless Shipyard Inc. let contract constructing yacht basin, marine railway, storage sheds, locker building, also dredging in North Cove on Connecticut River, to T. A. Scott Co. Inc., 292 Pequot Ave., New London. About $50,000.

★**Conduit System—New Britain, Conn.**—City will build 10,000 lin.ft. vitr. hollow tile and wood fiber conduit on West Main St. About $25,000. Work wil be done by day labor. Noted Sept. 16.

Rapid Transit—New York, N. Y.—Transit Comn., 49 Lafayette St., received bids Sept. 21, rebuilding portion of Sect. 3, Route 33, Bway.-4th Ave., Rapid Transit R.R., from Booth & Flynn, 17 Battery Pl., $521,365; Underpinning & Foundation Co., 290 Bway., $560,000. Noted Sept. 9.

★**Shafts—New York, N. Y.**—New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Room 616, Hall of Records, Manhattan Boro., let contract building Canal and Spring Sts. shafts, to T. B. Bryson, 52 Vanderbilt Ave., (for Holbrook, Cabot & Rollins), $650,000. Noted Sept. 23.

Trucks, etc.—N. Y., New York—Bd. Purchase, Municipal Bldg., received only bid Sept. 27, furnishing and delivering gasoline motor driven trucks, from White Motor Co., $10,987; cable, from Hazard Mfg. Co., 533 Canal St., $2,255; Safety Insulated Wire Co., 114 Liberty St., $2,365; Okinite Co., $2,787. Noted Sept. 23.

★**Stand-East Orange, N. J.**—City let contract building one-half of concrete stand, to Salmond Bros., 526 Elm St., Arlington. About $48,000.

★**Foundations—Elizabethtown, Pa.**—Masonic Home let contract building 12 x 50 ft., 44 x 78 ft. and 36 x 110 ft. stone foundations for home, to Lucas-Peters Co., 3537 North 15th St., Phila. Cost to exceed $25,-000. Noted Aug. 19 under "Buildings."

Fire Alarm Equipment—Baltimore, Md.—City received only bid Sept. 8, furnishing, delivering and installing fire alarm telegraph equipment, etc., from Gamewell Fire Alarm Telegraph Co., 70 East 45th St., New York City, $99,739. Noted Sept. 2.

★**Purifiers—New Orleans, La.**—New Orleans Gas Light Co., Baronne and Common Sts., let contracts erecting three 12 x 36 x 36 ft. steel purifiers and 1 P. & A. extractor and washer, also remodeling two 11 ft. water gas sets, to include installing 2 new generators, to Western Gas Constr. Co., Buchanan, Holt and Winter Sts., Ft. Wayne, Ind. About $100,000 and $35,000 respectively.

WORK appears to be steady at the present time, judging from the number of proposals invited from week to week.

This week bids are wanted on 126 jobs; last week on 128, and the week before that on 165; all classified as follows:

	Our Issue of Sept. 2	Sept. 9	Sept. 16
Water-Works	4	6	4
Sewers	12	6	13
Bridges	5	7	16
Streets and Roads	39	33	43
Railway	1	1	—
Excavation and Dredging	7	14	8
Industrial Works	5	5	10
Buildings	23	18	29
Federal Gov't	20	20	17
Miscellaneous	11	18	25

Are you getting your share of this work?

OFFICIAL PROPOSALS

Bids: Oct. 13.

Barge Canal Terminals

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORK
Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, October 13th, 1920, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapters 402 and 698 of the Laws of 1920, as follows:

—1—

TERMINAL CONTRACT No. 79

For driving foundation piles for the proposed grain elevator, for constructing a bulkhead wall along Henry Street slip, and for dredging the Henry Street Basin at Gowanus Bay, New York City.

Contract plans, sheets 1 to 5, inclusive.

—2—

TERMINAL CONTRACT No. 80

For constructing concrete foundation piers for the proposed grain elevator on the Barge canal terminal pier at Oswego.

Contract plans, sheets 1 and 2.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the canal office, Spaulding's Exchange, Buffalo, N. Y., and at the office of the Superintendent of Public Works, Terminal Warehouse, Pier 6, East River, New York City.

Copies of detailed plans or drawing may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

Theright is reesrved to reject all proposals and readvertise and award the contract in the regular manner if in the judgment of the undersigned, the interests of the state will be enhanced thereby.

EDWARD S. WALSH,
Superintendent of Public Works.

September 10th, 1920.

Bids: Oct. 5.

Construction of Highway

STATE OF MARYLAND
STATE ROADS COMMISSION
Baltimore, Md.

Sealed proposals for building four sections of State Highway, as follows:

Harford County Contract No. H-26: One section of State Highway along the Philadelphia road from the Little Gunpowder fall toward Aberdeen, for a distance of 3.00 miles. (Concrete.)

Talbot County, Contract No. T-12. One section of State Highway on the Easton-Claiborne road from Lipscomb's Gate to Royal Oak for a distance of 3.00 miles. (Concrete.)

St. Marys County, Contract SM-14: One section of State Highway from Morganza toward Colton for a distance of 5.00 miles. (Gravel.)

Frederick County, Contract F-27A: One section of State Highway from Frederick Jct. to Hopeland for a distance of 1.79 miles. (Concrete Surfacing only.)

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 m. on the 5th day of October, 1920, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 20th day of September, 1920.

J. N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids: Oct. 11.

Centrifugal Pumping Unit

DEPARTMENT OF PARKS & PUBLIC PROPERTY (DIVISION OF WATER)
Allentown, Pa.

Sealed proposals will be received by the undersigned at his office Room 301, Central Fire and Police Station, up to 9 a.m., Monday, October 11th, 1920, for the furnishing and installation of one (1) 750 H.P. Steam Turbine, with Reduction Gears, one (1) twelve (12) million gallon centrifugal pumping unit, one (1) 500 H.P. A.C. motor and one (1) three (3) stage seven (7) million gallon centrifugal pump, together with other appurtenances, as called for under specifications. These units are to be erected at the Pumping Station in the City of Allentown Pa.

Certified check required $1,000.00. A bond for an amount equal to fifty (50) per cent of the contract price is required of the successful bidder. All bids are to be enclosed in sealed envelopes and endorsed "Proposals for Pumping Units."

Specifications, plans and blank forms of proposals may be had upon application at the office of the Department of Parks and Public Property, Division of Water.

The City reserves the right to reject any or all bids.

MALCOLM W. GROSS,
Mayor.

Bids: Oct. 13.

Sanitary Work

Ossining, N. Y.

Sealed proposals for Sanitary Work—Sewerage and Water Supply Systems, Sing Sing Prison, Ossining, N. Y., will be received by Charles F. Rattigan, Superintendent of State Prisons, Capitol, Albany, N. Y., until 12 o'clock noon on Wednesday, October 13, 1920, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of the proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 3610. The right is reserved to reject any or all bids. Drawings, and specifications may be examined and inspected at the Office of the Superintendent of State Prisons, Capitol, Albany, N. Y., at the Office of the Warden of Sing Sing Prison, Ossining, N. Y., at the New York Office of the Department of Architecture, Room 618, Hall of Records Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

Dated: September 16, 1920.

Bids: Oct. 13.

Reconstruction of Pavements

PENNSYLVANIA STATE HIGHWAY DEPARTMENT
Harrisburg, Pa.

Sealed proposals will be received at the State Capitol until 10 a.m. October 13, when bids will be publicly opened and scheduled and contracts awarded as soon thereafter as possible for the reconstruction of the following pavements: 3,606 lineal feet of One Course Reinforced Concrete in Allegheny County; 26,106 lineal feet of One Course Reinforced Concrete in Beaver County; 3,641 lineal feet of either One Course Reinforced Concrete or Vitrified Brick in Beaver County; 4,375 lineal feet of either One Course Reinforced Concrete or Vitrified Brick in Beaver County; 11,097 lineal feet of One Course Reinforced Concrete and Hillside Vitrified Brick in Beaver County; 4,168 lineal feet of One Course Reinforced Concrete in Blair County and Huntingdon County; 7,453 lineal feet of One Course Reinforced Concrete in Bucks County; 8,917 lineal feet of One Course Reinforced Concrete in Chester County; 4,265 lineal feet of either Bituminous Surface Course and Hillside Vitrified Brick on a Concrete Foundation or One Course Reinforced Concrete in Clinton County; 6,253 lineal feet of One Course Reinforced Concrete in Erie County; 25,061 lineal feet of One Course Reinforced Concrete in Erie County; 14,400 lineal feet of One Course Reinforced Concrete in Indiana County; 4,459 lineal feet of Bituminous Surface Course on a Concrete Foundation in Luzerne County; 2,835 lineal feet of Bituminous Macadam on a Broken Stone Base in Lycoming County; 45,512 lineal feet of One Course Reinforced Concrete in Montgomery County; 6,317 lineal feet of One Course Reinforced Concrete and Hillside Vitrified Brick in Northampton County; 2,998 lineal feet of One Course Reinforced Concrete in Somerset County; 22,845 lineal feet of One Course Reinforced Concrete and Hillside Vitrified Brick in Washington County; 16,137 lineal feet of One Course Reinforced Concrete in Washington County; 10,202 lineal feet of either Bituminous Surface Course on a Concrete Foundation or One Course Reinforced Concrete in York County. Bidding blanks and specifications may be obtained free and plans upon payment of $2.50 per set upon application to State Highway Department, Harrisburg. No refund for plans returned. They can also be seen at office of State Highway Department, Harrisburg; 1001 Chestnut Street, Philadelphia, and 119 Federal Street, N. S., Pittsburgh, Pa. LEWIS S. SADLER, State Highway Commissioner.